

THE  
BIBLE  
1911



Property of Harold J. Miller  
1018 Mercer Road  
Franklin  
Pa





GC  
977.302  
C43OCT,  
1921



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*H.M.*



# THE OCTAGON

January, 1921





I am a "Sandy Imp," called

## "FACING"

I am the best of all Sands.

Much care is given me in the process  
of making but very little care is used  
when placing me in the position I should  
occupy



Bulletin No. 19.

## Object Lesson.

In the month of July, 1920, we used  
4043 net tons of facing sand.

Figuring labor and materials, this  
item costs as follows:

Labor \_\_\_\_\_ 7643.70

Materials \_\_\_\_\_ 11441.70

Total \_\_\_\_\_ 19085.40

For each Side-frame produced we use \$1.18 worth  
of Facing-sand. — 30% of this is wasted.

The Works Council.



I have travelled many a mile with my

## — Wheelbarrow —

and the stuff I have moved would almost make a  
mountain. But be careful not to knock me out of  
shape or break my wheel, for if you do, I can not  
travel any more, and will land on the wastepile.

## Object Lesson

We are using twelve (12) steel Wheelbarrows  
a month at this plant at a cost of \$9.17 each.

At this rate we will use 144 Wheelbarrows a  
year at a total cost of \$1320.48.

Take care of them and save some of that money.

The Works Council.

Bulletin No. 20.





VOLUME IV

JANUARY, 1921

NUMBER 13

## AN ANALYSIS OF THE OCTAGON

By  
H. L. LEYDA,  
Cost Clerk, Franklin Works

**A** GREAT many people wonder what I represent when they see me on steel castings. For the enlightenment of these, let me introduce myself. I am the product—the trademark of the American Steel Foundries. My home is in Chicago, but I am represented in various parts of this country by my different parts (the various Works), each one of which has a separate duty to perform.

Now that I have introduced myself, let me take you for a little trip to show you how I have attained such a high place in the ranks of the steel industries of this country.

Our first stop will be at our Thurlow Works at Chester, Pa. Here you will see how we produce the famous Dunn Anchors which have established a reputation for themselves, being approved and used by the United States Navy as well as the merchant ships. Another one of

our well-known products made at this Works is the Cast Steel Locomotive Frame. Have you ever thought when traveling on a train just how much your safety depends on the strength of this casting? It is the backbone of the locomotive, for on this casting a locomotive is shaped. After noticing the efficient methods of producing the many designs of miscellaneous steel castings made here, we will resume our journey, having explained and accounted for one of the sides which go towards making me a complete Octagon.



Cast Steel Locomotive Frame

# THE OCTAGON



High Carbon Rolls

of steel. These rolls, which are very hard and durable, give the maximum in efficient performance and long life. This Works also produces a variety of high-grade miscellaneous steel castings which are used under many different conditions and give a good account of themselves wherever they are. Pittsburgh contributes the second side towards making me a complete Octagon.

We again proceed on our way to Franklin, Pa., where another "Miscellaneous" Plant is located. Several of the large castings produced at this Works are Truck and Body Bolsters for freight cars, Motor Frames, Magnet Yokes for electrical constructions, and Wheel Centers for locomotives. The Bolsters and Wheel

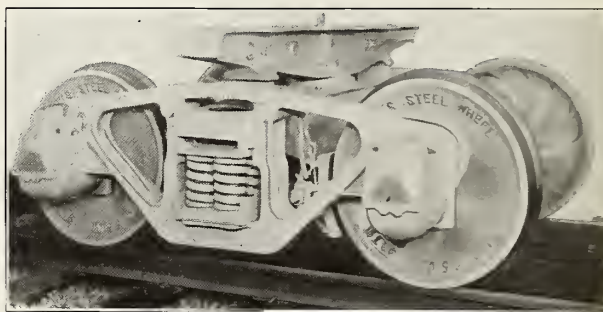


Cast Steel Wheel Centers

Centers also play a very important part in transporting the nation's freight and the traveling public. The Bolsters used on freight cars are very important as these castings receive

and bear the entire weight of the cars as well as the freight. There is practically no limit to the size and class of steel castings which can be produced at this plant, and you will also see many smaller locomotive and car castings, such as Driving Boxes, Foot Plates, Coupler Pockets, Center and Striking Plates and almost any style of steel casting used in the railroad world. After receiving my third line towards making the complete Octagon, we will proceed on our way, arriving in due course at our Sharon, Pa., Works.

The Sharon Works is equipped to produce what we term "Specialties," which include Truck and Body Bolsters and Vulcan and Andrews Truck Side Frames. These castings perform a very important part in the construction of up-to-date freight cars. The Side Frames

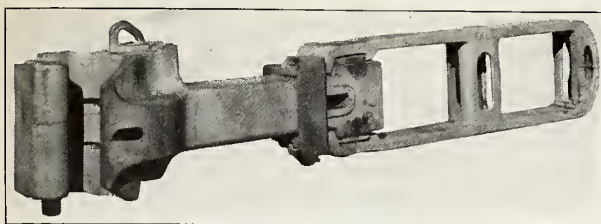


Vulcan Truck showing Side Frame

are constructed so as to hold the wheels in each truck in line and retain them as a separate unit, while the Body Bolsters, on the body of the car, and the Truck Bolsters, attached to the trucks by means of a King Pin, are so arranged and constructed as to allow free movement of the car in making the turns on a railroad line. After giving the Sharon Works our attention and receiving my fourth side of the Octagon, we resume our journey.

Our next stop is at our Alliance, Ohio, Works, famous this country over as the "Home of the Simplex Coupler." This Plant also produces A. S. F. and Eclipse Draw Bar Yokes, Bolsters, Draft Arms, and a few Journal Boxes and Coupler Pockets. This Works has a slogan, which reads as follows: "If it's a

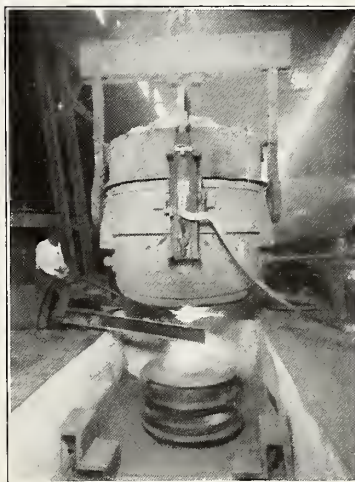




Simplex Coupler and Eclipse Yoke

*Coupler, Alliance can make it.* In traveling the country over you will notice the large percentage of Couplers in use on railroad cars and locomotives that bear the old, familiar trademark showing that they were produced at this Works. Here we receive my fifth side of the Octagon, and we move onward, regretting that we cannot stay longer and witness some of the tests to which these Couplers are put in order to show just how they will stand up in actual service.

The next Works we arrive at is located at Granite City, Ills., noted as the "Home of the Davis Steel Wheel." These Wheels are cast in a revolving mold, into which at the beginning of the pouring powdered manganese is blown. The centrifugal force throws the manganese steel thus formed into the rim of the wheel. The manganese is then shut off and the center of the Wheel is filled up with soft steel which will stand great shocks and can be easily machined. Of course, the tread and flange of the wheel are very hard and tough and will resist abrasion in a most excellent manner. Andrews and Vulcan Side Frames are also made in large quantities at Granite City. As Granite City is the largest of all our Works, it is given the honor of occupying the center of the Octagon.



Pouring Davis Wheels

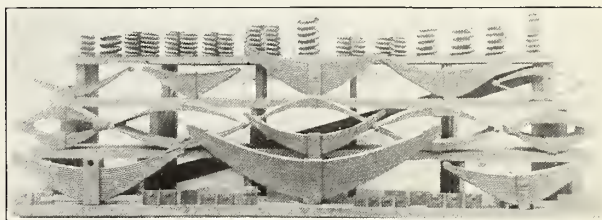
Our next jump is a longer one; however, we soon arrive at another of our famous "Specialty" Plants, situated at East St. Louis, Ills. This Plant is equipped with the latest devices for producing another famous product, the "Economy Draft Arm," in unlimited quantities. Think of the enormous loss to the railroads if they could not reinforce their old cars and lengthen their days of service by the use of



Economy Draft Arm in place on car

Draft Arms. Having now received my sixth side of the Octagon, we again move onward, with the short part of our journey now before us.

Once more we are on our way and soon arrive at Hammond, Ind. Here we see how the long-familiar Simplex Truck Bolsters and Ajax Brake Beams are made. Here one finds the large Presses, Forging Hammers and Bending Machines which are constructed especially for the producing and shaping of the different parts which are required to make a complete built-up Brake Beam or Truck Bolster. Here, also, you will see how Springs are made and treated so as to absorb the maximum amount of shock and put into service under the ends of Truck Bolsters. Your attention is also called to the important work the Ajax Brake Beam has to



Various types of Springs

perform and how well it fulfills its place in guarding the lives of railroad patrons. Here, also, the Clasp Brake is manufactured—the last word in Brake equipment. Hammond contributed the seventh side of the Octagon,

and now we move along, arriving soon at Indiana Harbor, Ind.

The Indiana Harbor Works is the Western home of Miscellaneous Steel Castings. At this



Miscellaneous Center Plates

Works you will see produced all of the "57 varieties" of miscellaneous steel castings. A few of these many products are Cast Steel Gears and Pinions of all sizes and description, miscellaneous car and locomotive castings, Wheel

Centers, and Die Blocks. Here we receive my eighth side and now I am a complete OCTAGON, representing to the business world the best that can be produced in cast steel.

When you look at a steel casting used on railroad and ship rolling mills, electrical motors or generators—or any use to which steel castings can be put—look for me, an OCTAGON, with a letter in the center. As there are nine Works, the letter represents the Plant at which the casting is made and the Octagon represents the other eight members of our family in their respective places, all seeking to maintain the high standard of our Company products.

I will now take my leave, hoping that you have enjoyed our trip through the various Plants. One thing I would have you remember, and so I repeat: "*I am the OCTAGON—the official trademark of the American Steel Foundries; and I stand for the best that can be made in steel castings.*"

## ANALYZING MANUFACTURING COSTS FOR MISCELLANEOUS STEEL CASTING PLANTS

By  
H. J. FREESE,  
Works Auditor, Pittsburgh, Pa.

(Third Installment)

The *Inventory of Steel Castings* (on hand at the close of the current month) is a matter closely related to the preceding one and naturally follows closely. Many of the same considerations relating to "Shipments" for the month apply in this respect, also. If a congested shop, resulting from the conditions enumerated under the preceding caption, has prevented the movement of castings; or the accumulation of refuse material, through inability to obtain empty cars to remove same, has added to the difficulties, the natural consequence will be a larger inventory of product at the close of the month; or if all conditions are

reversed and have been exceedingly favorable, the inventory will show a considerable reduction. Hence, these two dovetail, more or less, and must be carefully and consistently explained in order to truly and completely reflect actual operating conditions.

The *Average Number of Employees Operating* is the gauge by which the operating efficiency is measured. If the number for the current month is lower than that for the Standard, it can denote but one of three conditions: either the shop is being operated more efficiently and less labor is required, or a more desirable class of work is passing through the shop, or



a labor shortage exists in one or more departments. If the average quota for the current month is in excess of the Standard, it can only be the result of one or more of four possible conditions. Either there has been a loss in efficiency, or there is a less desirable class of work in process of manufacture, or some special repair or construction work is under way, thus necessitating the employment of extra help, or certain employes are being retained in the service in anticipation of a resumption of operations on a larger scale.

Under the caption *Average Daily Wage Rate* is discussed the various elements involved in producing any advance or decrease in the average rate for the entire shop. All increases in wages to the hourly men or salary to the monthly men, all bonus schemes, and all overtime allowances are treated in this section and fully considered insofar as they are involved in its status.

The *Pounds Good per Day per Employee Operating* and *per Molder* are the figures indicative not only of the average efficiency of the whole shop, and more especially of the molding department, but they also denote generally the class of castings being made, whether difficult and intricate in design, or comparatively simple in design, and whether light in tonnage or heavy and yielding a good average per unit of energy.

The last caption, *Materials Required to Produce One Net Ton of Good Castings*, is valuable insofar as it is indicative of the general efficiency in connection with consumption of materials and resources. Through this comparison it is usually possible to detect any unusual consumptions of materials or extravagances in this respect, and, further, it provides a means of suggesting possible conservation of resources in various ways.

We have now reached the point where the actual cost of production is considered and discussed in detail. The discussion is divided in accordance with the various divisions employed in compilation of the general cost sheet for the

month, namely: Melted Metals, Direct Labor, Special Charges, and Overhead; and in order that all such reasonings may be consistently clear and properly emphasized, the various comparative cost tables are inserted in toto at the logical points from the monthly cost sheet. Thus a ready reference is furnished in a pro-



Valve bodies and Astern inlet pipes, weighing 275 lbs. to 350 lbs. each. These are intricate castings

gressive style to obviate the necessity of the reader constantly referring to the cost sheet to substantiate any particular statement or statements.

Under the caption *Melted Metals* the first element to consider is that of Total Net Metals. There are two principal causes for fluctuations in cost per N. T. Good Produced, namely, Consumption or Pounds of Metals Used per Unit of Product and Price per Unit of Material. This is illustrated by a comparative table showing the increases or decreases per unit of production each month due to Pounds and due to Price. To include a facsimile of the table in question at this point would take up too much space. However, such tables only partially reveal the history and it is absolutely essential that consistent and conclusive explanatory facts follow the table in question, detailing the causes for any increases or decreases in pounds of metals used per unit of production or in price per unit of material. These causes vary with the particular practice in vogue in the Melted Metals Department during a given period and cannot be presupposed. A knowl-



Castings showing large gates and risers

edge of actual conditions is absolutely essential to permit the consummation of a working analysis of why a larger percentage of the aggregate charge to the furnace represented Pig Iron during the current month than was the case during the Standard, or why the average price of Pig Iron per unit was lower during the former period than during the latter, and so on down the line. When the cost is carefully explained

and a reason forthcoming for each variation, the furnace practice is pretty well explained so far as component elements of the charge are concerned.

The next item to be considered is *Labor*. This, too, is partially explained by a table of comparisons showing the variations due to increases or decreases in hours worked per unit of production and increases or decreases per unit of production in rate. However, these tables merely reveal the effects and in no wise explain the causes. Therefore, it is necessary to explain in a concise way the causes for all increases or decreases per unit of production within certain limits. Further, the details of the explanations must be complete to be of any real worth.

The other items to be considered are *Stores* and *Other Charges* and are treated in detail in their proper places each month. The method of handling the explanations has been previously related and, therefore, needs no repetition.

*(Concluded in February issue)*

## SAMPLE CASTING PROCEDURE

By

D. T. STERLING, Cost Accountant, General Offices

ON account of the miscellaneous nature of the castings produced at the Indiana Harbor Plant it is necessary to check sample castings as to dimensions and adaptability to plant practice before the run of castings is commenced.

Very often in checking sample castings we find a great deviation from the manner in which actual castings should appear and from the viewpoint of good castings, satisfied customers, etc., the following routine has established itself as an unusual asset.

When sample castings are required, the Production Supervisor shall issue in duplicate, Report of Sample Castings, form 0517, regardless of whether the patterns or core boxes are new ones or old ones, altered or repaired. Further, if a pattern should prove unsatisfactory

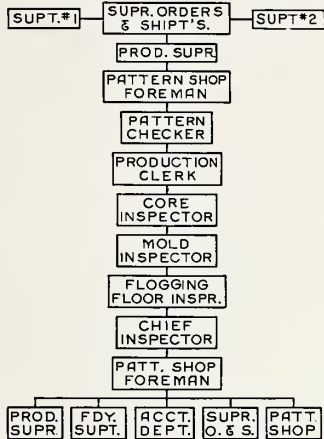
and require checking, due to damage or wear, or should the Foundry Superintendent, Foundry Foreman or Production Supervisor request it, supplementary Sample Casting Report shall be issued in duplicate.

When issuing Sample Casting Report, the Production Supervisor shall number same consecutively—this number being known as the serial number. When supplementary reports are issued, they shall bear the same number as the original report on the pattern involved, this number being followed by a letter, e. g., La, 1B, 1C, etc., which will show the number of samples previously made up. One copy of the report shall be forwarded to the Pattern Shop Foreman, and the other retained on file by the Production Supervisor.

When the pattern has been completed, the



Pattern Shop Foreman shall fill in on the report necessary information as to its construction—whether matchboard, wood or metal, size of flask, etc., and forward pattern, report and blue



print to the Pattern Checker. If pattern checks in accordance with blue print it will be the duty of the Pattern Checker to notify the Production Clerk that pattern is ready for the foundry. The Production Clerk will then arrange to have core boxes delivered to the core-room and the pattern to the foundry, handing the sample report and blue print to the Core Inspector.

The Core Inspector will see the necessary cores made and, when ready, delivered to the Foundry, where he, in conjunction with the Mold Inspector, and foundry foreman or representative, will watch the setting of the cores and closing the mold, noting any difficulties so that changes in pattern or core-boxes may be made. The Mold and Core Inspectors will then fill in information requested of them on the sample report, noting all delays in detail.

When the mold is being poured, the Mold Inspector will be on hand and arrange to have a marker placed in the head or gate of the casting, signifying that it is a sample. He will then fill in date the sample is cast, and forward sample report and blue print to the Flogging Floor Inspector, who will note on the report date and time sample was received by him. It will be the latter's duty to see the casting cleaned up complete, and delivered to the Chief Inspector's

table for checking, together with blue print and sample report properly filled in.

The Chief Inspector, as soon as the sample has been checked, will complete the sample report, giving full information as to any discrepancies, and forward it to the Pattern Shop Foreman, sending copy of the complete report to the Production Supervisor, Foundry Superintendent, Accounting Department, Supervisor of Order and Shipments and retaining one for his file.

Should it be necessary to make alterations on the pattern, the blue print shall be returned to the Pattern Foreman, who will make the changes and return the sample report to the Production Supervisor, noting on the report steps which have been taken to make the pattern satisfactory. It will then be left to the discretion of the Production Supervisor and Foundry Superintendents as to whether additional samples will be necessary, or the pattern allowed to go to the Foundry for regular production.

*(At the time the above article was written, Mr. Sterling was a member of the Indiana Harbor Works).*



## What Every Foundry Man Ought to Know

Contribution by  
D. T. LEWIS,  
Franklin Works

### SAND AND SAND MIXTURES

Every foundryman knows that sand is one of the main factors that enters into the production of good castings, and it is important to procure a sand that is chemically pure and also of the proper density for the nature of the work required. The manner of

preparing and mixing it properly is a matter that must be given close attention.

To get a mixture proportioned as to the amount of bonding additions to the sand is very essential, and should be watched closely by a competent man at the mill.

There are other things just as important if you desire to get a uniform mix; one is the condition of the sand when it is delivered at the sand mill, and the weather controls this point, if there isn't sufficient inside storage to keep the sand in good condition.

Every foundryman has been up against the proposition of sand that contains too much moisture, especially in wet weather, as most sand is delivered in open cars. In cold weather sand in a frozen condition is a problem that is met and battled with through every winter.

Under the conditions it is a hard matter to hold to any uniform practice in mixing. When sand is too wet, when it is delivered to the mill, if any liquid bonding material is used, as molasses water, it is pretty much a matter of guess work, as to the quantity that enters the batch. I have observed in using frosty sand, that it is a hard matter to regulate the proper tempering while mixing, and invariably find that the facing shows a good deal more moisture, after being ground and set on the molding floor when the frost leaves it.

At Franklin a batch mixer has been installed, and is working successfully. The mixer is a long step ahead, and is going to show good service; but to get the best results, sand should be thoroughly dry, when delivered to the sand mill, as this would always insure a uniformity in mixing.

The preparation of the heap, or backing up, sand should be given the proper attention, and delivered to the molders, properly tempered, especially on green sand work, as it has been found that as many scabby castings can be caused from poor heap sand as from poorly mixed facing.

On dry sand work the matter of tempering the heap has not been given the attention in any foundry that it deserves. If the sand could be tempered uniformly and delivered to the molding floor free from chunks of burnt core sand, and such scrap and rods as are always found in it now, it would save many castings and help greatly in the production of more and better castings. On dry sand, work sand can be used with a great deal more moisture than is required, and as it goes through the oven, and comes out on the other side all O. K., we just let it go at that, as it takes a certain amount of heat units to evaporate a given amount of moisture.

## AWARD FOR GOOD ORDER

The periodical inspection of Plants to establish the basis for the Award for Good Order was completed December 23, 1920, by a Committee composed of J. A. Carruthers and J. B. Charlton. The compilation of the figures gave the following results:

PLANT	RATING
Indiana Harbor .....	87.97
Pittsburgh.....	87.01
East St. Louis.....	85.65
Alliance .....	85.59
ThurLOW.....	84.88
Granite City.....	84.41

From the foregoing, it will be noted that Indiana Harbor won the award by a small margin over its nearest competitor, Pittsburgh.



We congratulate the organization at Indiana Harbor for the intelligent zeal displayed in bringing its standard from a low place in the scale to the major position. Pittsburgh, also, is entitled to high commendation for continued excellence. As a matter of fact, the general condition at all of the Plants is steadily improving in a manner very gratifying to the Company management.







When the Employees' Benefit Association was formed, its true intent was stated in the first paragraph of its Rules and Regulations, as follows:

The object of the Benefit Association is to provide its members with a certain income when sick, or when disabled by accident, but not for disability, nor resulting complications, caused by accident arising out of and in the course of their employment with the American Steel Foundries and subsidiary companies, and to pay to their families certain definite sums in case of death through sickness or accident, but not in case of death caused by accident arising out of and in the course of their employment with the American Steel Foundries and subsidiary companies; to create and maintain a fund which shall belong to the members, be used in payment of benefits to them, and cost them the least money possible considering the benefits received.

During the nine years of its existence, the Association has held steadfastly to the ideal presented in the above declaration, and during that time 4800 members who have been sick or disabled by accident have found that it has provided them with a "certain income" at a time when help was most needed, \$175,000.00 having been paid for the relief of these members.

During the same time the beneficiaries (mostly wives and children) of 286 of the members of the Association who have died, have received the sum of \$255,563.00.

The payment of these death benefits has made it possible for many families to be provided with the things needful to preserve the home until the family's finances could be re-organized and plans for the future developed. It has provided the means whereby children have received an education so that they could occupy useful positions in life, and it has helped in many ways that can not be mentioned at this time.

Besides the benefits that have been paid, the Association has given all of its members positive assurance that in case of need, they or their beneficiaries will receive the benefits to which they are entitled.

This protection has been provided at a cost that has been very small and far less than sickness, accident and death insurance could be purchased in the open market.

As stated in the Object above, the Association protects a member for sickness and accident at all times when not employed, and the Company, through its payments under the various Workmen's Compensation Laws, provides for injuries in the course of employment. Members of the Association are in this manner protected at all times from the uncertainties of life due to sickness and accident.

To become a member it is only necessary to be an employe of the American Steel Foundries and to pass a very easy physical examination.

All employes who are not members are invited to call upon either of the two Trustees at their plant, who will be glad to give them a copy of the Rules and Regulations and full information.

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Mr. C. B. Alexander, Assistant Works Auditor, was elected E. B. A. Trustee for 1921 at Alliance Works.

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Harry Lewis, Truck Driver, at Thurlow Works, was elected E. B. A. Trustee for 1921 at Chester.

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Edward E. Dowell, Clerk, at East St. Louis Works, received the greatest number of votes for E. B. A. Trustee for 1921 at that Works.

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Charles R. Applegarth, Pattern Checker, Franklin Works, was elected E. B. A. Trustee at that Works, for the year 1921.

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Paul Grunden, Chief Mechanic of the Wheel Department, Granite City, was made E. B. A. Trustee at that Works for 1921, after a very spirited election.

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Wm. C. Guthzeit succeeded Fred Brose as E. B. A. Trustee for 1921 at Hammond Works.

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Alexander Johnston, Inspector, was elected E. B. A. Trustee for 1921 for Indiana Harbor Works. Mr. Johnston has held this office before but did not succeed himself.

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Rudolph G. Arn, Clerk, at Pittsburgh, will represent the E. B. A. as Trustee for 1921 at that Works.

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Harry E. Long, Assistant Foreman, was elected E. B. A. Trustee at Sharon Works, for the year 1921.

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Mr. W. A. Suttie, Cashier, General Offices, Chicago, succeeded himself as Trustee for the E. B. A. Association at that Office for the year 1921.

## WHO'S IN THE AMERICAN STEEL WHO THE FOUNDRIES

Mr. William Langenbach, at present Foreman of the Core Department at Granite City Works, began work in the Inspection Department at that Works eleven years ago. After being employed as an Inspector for a short period of time, he was changed to the Mechanical Engineering Department, where he remained until transferred to the Foundry and Core Departments of Granite City Works. Mr. Langenbach is quite popular among his fellow-workers.



Mr. Harry Voglesong, Storekeeper at Sharon Works, has been in the employ of the Company since January 13, 1890. During the early days of the Steel Casting business, Harry was Chief Chemist for the Solid Steel Company at Alliance, Ohio, which later became the property of the American Steel Foundries, and which Plant was the beginning of the present Alliance Works. Mr. Voglesong has been employed at Alliance, Franklin, Thurlow and Sharon Works. As Storekeeper at Sharon, Mr. Voglesong has been unusually successful and is conceded to have one of the best appearing, cleanest and best arranged storerooms in the American Steel Foundries circuit.



Mr. Matthew Quirk, one of the oldest in service in the Accounting Department, East St. Louis Works, served continuously in that department from June, 1909, to the present time, starting at the Granite

City Works as Special Appropriation Clerk, and coming to East St. Louis Works, Oct., 1909, as Machine Shop Clerk. He has since held the position of Storeroom Clerk, Pattern Department Clerk, Night Foundry Clerk, Shipping Clerk and Cost Clerk, and the latter position he still retains. Mr. Quirk, better known to his many friends as "Matt," is conscientious in his work and accommodating at all times to those who inquire at his desk for information, and ever ready to help his fellow employes when work becomes heavy or when in need of advice or assistance.



Mr. Charles Shatzle, Melter, East St. Louis Works has been in the employ of the American Steel Foundries for a period of fifteen years, having started to work at the Granite City Works as a First Helper in 1905. In 1910 he was transferred to the East St. Louis Works and promoted to the position of Melter, which position he still holds. During the shut-down at East St. Louis, Mr. Shatzle was transferred to Granite City Works where he remained until 1917, when he returned to East St. Louis to again assume the duties of Melter.



Mr. George O'Brien, Employment Agent, Alliance Works, who succeeded Captain Ruby, Former Employment Agent. Mr. O'Brien is chairman of the Athletic Goomp Club. For anyone that has not had a chance as yet to get acquainted with George, we would suggest that they drop into his office any day and make his acquaintance.







Vol. IV

January, 1921

No. 13

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employees with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

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GORDON MACDONALD	Chester
W. J. HESS	East St. Louis
S. L. CASE	Franklin
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	Order
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	Sales
W. S. ELLIS, JR.	Safety First

It is impossible to publish as many children's pictures on the Center Page of this issue as were sent in. Those which were omitted will appear in a later issue.

## To the Employees of the American Steel Foundries

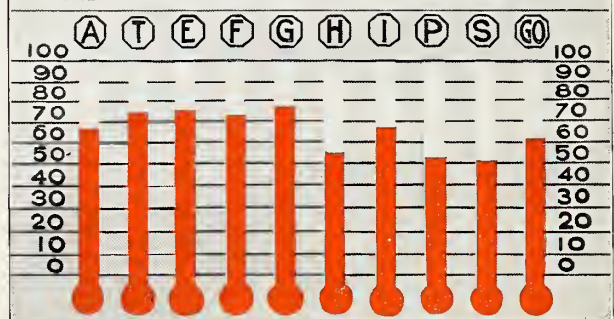
THE first number of THE OCTAGON was published a year ago. It was started with certain purposes and objects. To what extent it has served these purposes and how nearly in the end it will attain these objects it is difficult to know yet and will always be impossible to measure accurately. We must depend largely upon our impressions based on statements and reports that drift in from the plants and offices. My own opinion is that THE OCTAGON has been as successful in every way during its first year as could reasonably have been expected.

It was decided in the beginning that everything that appeared in our publication should be the work of some one within the American Steel Foundries organization. Naturally, therefore, the success of THE OCTAGON depends upon the extent of the co-operation its Editor receives from the plant and office organizations.

In number and quality the contributions received this year have been most gratifying, and we take this opportunity of extending to all of you who have had a part in the work our appreciation of your helpful efforts, the continuation of which will insure success for the coming year.

R. P. LAMONT, President.

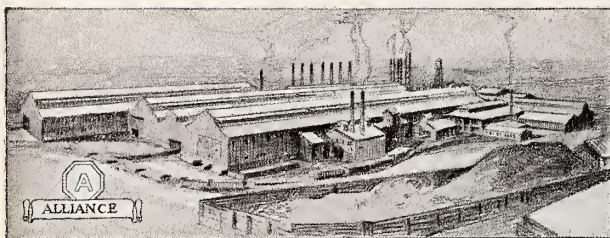
### RANK TO DATE OF WORKS AND DEPARTMENTS OF THE A.S.F. SHOWING SUPPORT OF THE OCTAGON



From the inception of The Octagon to January 1st



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Mr. J. D. Stoughton, better known as "Joe," Assistant to Order Clerk, is now a happy man. Recently, when he asked for a three-day leave of absence, saying that he intended to get married, he was not joking. Congratulations, "Joe."

R. E. Hannon, Special Apprentice, has been able to devote but little time to the A. S. F. the last few weeks. His alibi is the arrival of an eight-pound R. E., Jr.

Norman Sudeck, of the Coupler Engineering Department, saw Jim Thorpe and his All-American Football Team work out against the Cleveland Pros. The next day he came to work all wild-eyed over the brand of football displayed. He told of Thorpe stiff-arming one of the opposing players and knocking him from "here to me."

Several of the boys (who were lucky enough to help take inventory) are complaining of having a tired feeling. Naturally taking an inventory after being "cooped" up does make one tired, but, cheer up, boys, it will be just thirty more days until the next one rolls around.

Mr. F. F. Dore is our new Chief Chemist. Mr. J. Danglede, Acting Chief Chemist, will return to our Sharon Works. While here "Jack" was a favorite with the women and says he is sorry to leave. We regret to see you go, Jack. Welcome, Mr. Dore.

John Miner, Janitor, thought he was in line for some of the goods supposedly prohibited by the Old Eighteenth. He was talking to a friend from Salem, who asked him if he wouldn't like to have a "shot of red eye." John immediately perked up and said he sure would. The friend came right back with "So would I." Latest reports from the hospital say that recovery is slow.

To Franklin Works: We are going to go you one better. J. S. Gigandet, Night Foreman, C. M. & A., and his brother, J. C. Gigandet, Instructor, C. M. & A., Dept., are our gigantic men. We hate to take the distinction away from you, Franklin, of having "Gigantic" men in your employ.

The following young *unmarried* gentlemen sojourned to Atwater, O., a little town north of Alliance, for a Dance: Bobbie Hole, Mike McPherson, Rus Wilson, Gander Stewart and Judy Sloan. Mike seemed to be the best looking one of the bunch and soon picked out a girl for himself of the six couples that were present. By request of the other gents, he introduced her to them and ignored Bobbie until the last and coming up to Bobbie he introduces the girl and also advises her that he is the best FOX-TROTTER in Alliance. Then—well, from latest reports, Bobbie fox-trots to Atwater every Saturday night.



We glimpsed a very unusual but pleasing sight the other day—our own “Charlie” Shaffer, Assistant Works Manager, slinging a sledge hammer, and, believe me, boys, he sure can do it.

P. S. Latest dope from the C. F. & A. Tool Room is that they put five new sledge hammer handles in the same hammer.



Henry Jones, Flogger, one year's service, and Will Lore, Flogger, two years' service, Alliance Works

Mr. Leslie Freed, Production Clerk, has purchased a new Ford Sedan in which he rides to work from Sebring, O.

It has been whispered around that C. B. Alexander's real reason for quitting cigarettes, is to get sufficient money to buy his young hopeful clothes. Alex. says he looks like All-American material.

Mr. Geo. Gilbert, Manager Dept. Inspection & Tests, National Malleable Castings Co., Cleveland, O., Mr. E. Boyer, Supt. of National Malleable Casting Co., Sharon Works, and Mr. Miley, Forge Shop Supt., also of the Sharon Works, visited this Plant recently.

Our illustrious shipping clerk, Mr. “Si” Sidle, is so overwhelmed with work these days that he is getting very absent-minded. He was noticed sharpening his pencil in the telephone mouthpiece. Also thinks very little of leaving a brand new pair of “overs” behind him at the dance hall the other night. But we understand he has a good alibi for his forgetfulness.

Larry Randolph, Core Room Labor Foreman, who was unfortunate enough to have a leg broken

a few weeks ago, reports that he expects to be with us soon.

W. R. Mazey, “Wick,” our efficient Reclaiming Boss, is sure having tough luck these days. Not long ago, his “Reo” just naturally refused to run for him so he decided to fix it up himself. After donning his old clothes, he departed that evening for his garage along about 7:30 o'clock. After spending what he *thought* was two hours' time and thinking the old boat was in good shape, he decided to take a little spin to test it out. He drove down the main street and wondered why there was no one on the thoroughfare. Pulling out his “non-beatable Elgin” he discovered it was but 9:30 P.M. When he arrived home a few seconds later, he found it really to be 2:35 A.M. We advise you, “Wick,” the next time you have a tete-a-tete with your “Reo” that you carry the old reliable “Ingersoll” and not one of those “non-beatable Elgins.” (Note: This is not an advertisement for the Ingersoll.)

Mr. R. R. Reeder, Billing and Freight Clerk, has resigned. With his resignation, Mr. George Funkhouser took his position. Mr. J. D. Stoughton succeeds Mr. Funkhouser as Assistant Order Clerk.

“Irish” Reardon, No. 1 Crane Operator in the C. M. & A. Department, has purchased a new Studebaker Roadster.

OHIO has the baseball championship  
OHIO has the presidency,  
OHIO has the best plant of the  
**AMERICAN STEEL FOUNDRIES.**  
Hurrah for OHIO.



A part of new Finishing Department at Alliance, showing evidences of a clean and orderly shop

The following little item was recently published in The Alliance Daily Mistake:

## "WILL EAT RABBIT"

"The Office force and others of the American Steel Foundries plant are expecting to eat rabbit dinners Sunday, Chas. H. Shaffer, Asst. Wks. Mgr., and George O'Brien, Employment Agent, for the plant, having borrowed three dogs and started bright and early Saturday morning to try their success as nimrods."

Of course the above was printed on the first page on purpose and to complete the story we will tell it to you as told by Mr. Shaffer.

"Well, Shaff, how many rabbits did you get?"

"Three."

"Did you get them all?"

"No, George got one, my son one and myself one."

"No, by gosh—I got ONE AND A HALF."

"One and a half? How come?"

"Well, the Kid scared up one, and took a pot shot at it as it was just going over the top of a hill, but didn't kill it. We saw it go in a hole. I sent the Kid after a shovel and just by luck dug just so I could reach down and get it by the hind legs. I claimed half of it for digging it out and gave the other half to the Kid for crippling it. That made me one and a half or a percentage of 1000, the Kid 750 for only getting half and to George 500, on account of getting one and missing one."

"Now, I told these birds that I would get as many as they would put together. Well, I did. The same holds good with anybody else. I'll get just as many as the rest put together, I don't care who they are. Poor George, he wanted to get two and turn the tables on me, and now he is continually raving, 'We can't all be good hunters.'"

George now comes forth with his story and wishes to add that "Shaff" is a good digger when his family reputation is at stake, but is no good digger when it is not.

In the first part of the story, I mentioned the fact that they borrowed three dogs. The day before in the "Alliance Daily Mistake" was seen this ad:

## "WANTED: RABBIT DOGS"

"Anyone having a rabbit dog they wish to loan out for a day, kindly bring same Saturday morning to the American Steel Foundries and inquire for Chas. Shaffer."

I am advised by a disinterested party (Geo.) that—Beetle hounds, Scotch Collies, Boston Bull Terriers, Water Spaniels, Poodle dogs, Grey hounds and Blood hounds enough to win the Blue Ribbon at any Dog Show, were on parade that morning, and that the employees thought we were going in the business, instead of making couplers.

"Shaff" finally makes his selection, together with his own little black jumping jack, a world beater, and the show is on.

And so endeth our story.

O is for O-CTAGON, the gossip of the plant,  
C is for C-orporation which we serve,  
T is for T-rouble, out of which we try to keep but can't,  
A is for A-llegiance, which to the letter we observe,  
G is for G-ood Order, the emblem we strive to win,  
O is for O-ur plant, the best of the bunch,  
N is for N-o knocking, now nor nevermore—'nuf ced. (L. D. C.)

Mr. H. P. Rosenberg, our Supply Agent, has returned to Alliance Works.



## Chester

Thomas Morrallee, World War Veteran and custodian of the Oil Pump House, has recently been married, thus culminating another "war romance," as Tom met his bride while lying wounded in a hospital in France.

Harry Colburn of the Yard Department is still off with an injured foot. Harry is spending his time at Secretary, Md., with his home folks.

Howard Barrowclough, Molder, of No. 2 Foundry, is slowly improving, but as yet is unable to return to work. Arthur Holmes, Sand Blast Worker, has returned to work after being off for some time on account of illness.

After eighteen years' service in the Annealer Pit, Harry Cloud should be pretty well annealed.

When it comes to throwing elections, stop down and see the Steam Hammer Gang, better known as the Reds. By the way, Leonard, how about the cigars?

Bill Brown, Assistant to Works Manager, has returned from his annual hunting trip in the mountains of Pennsylvania. Bill comes home with the same old alibi—"Weather rotten and the hunting worse."

Don't crow about your virtues; the world is more interested in what you are doing with them.



The workmen of No. 1 C. & M. are hoping and praying that the west wall of that building will be completed soon. If not, sheepskin coats for cold weather and oilskins and rubber boots for wet weather are what they will surely need.

The new sand mill installed in No. 2 Foundry has been completed and started operations for the first time December 1st.

David Winfield McGeorge, Assistant to the 4th Vice President, paid a visit to Thurlow the latter part of November as Chairman of a Committee on Cutting Gases and Pneumatic Tools. While at Pittsburgh, Mr. McGeorge was unable to get a lower berth to Chester for quite some time. After going to no end of trouble he finally secured a lower berth. After getting on the train he met several brother Elks and to while away the time they engaged in a game of cards. Mr. McGeorge became so engrossed in the game that he forgot all about lower berth and everything else until next morning and the pillow—in the lower berth that he had taken so much pains to secure—was not even mussed.

Ask Slim Buckman why it takes so long to make a Driving Box these days, especially the 16-A-28.

Some of the men in the Pattern Department are thinking very seriously of petitioning the Works Auditor to keep a certain young lady from walking through the Shop, as it attracts the men's attention from their work. How do you like the girls, George?

Horace Hickling (Unc) is becoming quite a Master Pattern Maker with Ernie's tools. We hope he don't teach them any bad habits.

Anthony Schulthise, No. 2 Foundry Molder, has returned to work after being sick for some time. James Grace, of No. 2 Foundry, is again back at the old job. Jim injured his leg in a recent game of soccer.

Charles Bossong, Auditor of Costs from Chicago Office, made his annual visit to Thurlow last month to check bulk materials.

Dave Austey, formerly with the Chester Pattern Co., has been employed as Pattern Checker. Harry Johnson, Base Ball Idol of Thurlow Team, has been transferred back to his old job as Dry Floor Inspector.

Fred Larkin, Pattern Maker, recently spent a week in and around Gettysburg, Pa., gunning, and succeeded in bagging eight pheasants and quite a number of rabbits.

Jadda Boyle, one of the old ornaments of the Repair Department, is back at his old place in the Garage.

Jack Hennessey, ex-Crane Inspector, has arrove back in the old Repair Gang once more. It's a case of "Off again, On again, Gone again," with Jack. Here's hoping he will stay awhile this time.

The Boys of the Repair Department are still dwelling on the memories of the Fishing Season just closed and are planning a more elaborate program for next Season. These men are all Fishing Enthusiasts and claim the record for "Fish Stories."

The Repair Department are having a little rest now due to the fact that the Mack Truck hasn't been laid up for repairs for almost two weeks.

Robt. Power, Master Mechanic, and Harry King, Repair Dept. Clerk, expect to visit their home in Montreal, Canada, over the Xmas holidays.

Herbert Baer, Machine Shop Foreman, has reported for work again after being off sick for about six weeks. The doctor found it necessary to operate on Herb and he has fully recovered, although it will be some time before he will again be able to play basket-ball.

John Brooks, Master Mason, was heard to remark the other day: "Those walves don't look wery nice under the Furnace Floor."

The other day in tapping out a heat in No. 1 Furnace, the tapping hole appeared to be so hard that the two horses, Jack McCarthy and Babe Grace, got on the bleeder and rammed it so hard into the tap hole, they had to go out on the Dry Floor to recover it.

It costs John Lithfog, Second Helper on the Furnace, \$25.00 fine every time his cow strays into Reds Young's yard.



P. L. Steckel, Chief Electrician at Chester; 3 years' service



Virginia, Daughter of W. S. Trowbridge,  
Chicago



Albert Lee, son of A. L. Stevens, Chicago



Marshall Post, Jr., Sharon



Helen, daughter of P. J. Vardalos,  
Indiana Harbor



Bobbie Chapman, Jr., Granite City



Nadyne, daughter of P. J. Sullivan, Chicago



Betsy, daughter of Bob Moss, Indiana Harbor



Howard Edmund, son of J. M. Dial,  
Granite City



Dorothy Grotz, daughter of Mr. A. S.  
Dixon, East St. Louis





Margaret Mary, daughter of F. J. Mueller,  
Granite City



La Verne Wesley, grandson of Frank Stevens,  
Hammond



Morris B., son of Robert Chapman,  
Granite City



Adlai Raymond, son of A. S. Dixon,  
East St. Louis



Ralph Robert, son of R. E. Bong, Chicago



John Edward, son of J. L. Warhover,  
East St. Louis



F. Locke, son of J. A. Carruthers, Chicago



Velva, daughter of W. S. Trowbridge  
Chicago



Eunice Roenfeldt, Mary Patricia, daughters  
of P. P. Hackett, Granite City



Reds Young, Bricklayer, must be some marksman. He went gunning one day and treed a raccoon in a little tree about eight feet high. Reds had to shoot the coon seven times before he got him.

Pat Cummiskey, Molder, will no doubt be married by the time this issue comes out. However, it is never too late to offer you our congratulations, Pat, which we do most heartily.

Elmer Burke and Johnny McNichols, No. 1 Foundry Molders, are the only living rivals of Ananias. In fact, according to Carbine and Sam King, they have old Ananias tied to a post.

Ben Price, Open Hearth Clerk, who has recently been transferred to the Pattern Storage, had the misfortune recently to burn one of his hands very badly. Ben picked up an electric light globe, when without any cause at all, it exploded in his hand.

General Gentry, Chief of Police, and the T. B. of the Fleas, has returned from a short trip to Harrisburg. The Chief is very reticent about the object of his trip but we have our own opinions, especially when each morning the mail boy deposits two and three pink, blue and lavender scented letters upon his desk. Wise up, Chief, and let us in on the deal.

Clem Morgan, Safety Inspector, is suffering from an injured knee sustained in a recent soccer game.

Ben Price and Bill Woolley assisted the Philadelphia Orchestra Chorus in the rendering of Beethoven's "Ninth Symphony" in the Academy of Music at Philadelphia, December 3d and 4th.

Miss Margaret McClay, formerly employed in the Time Office, has been appointed Principal at the Boothwyn Public School.

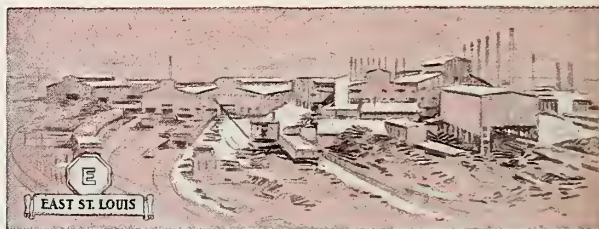
Mrs. M. W. Nace, formerly of the Accounting Department, and Mrs. L. B. Dunnigan, formerly of the Engineering Department, are at present employed at the Plant of the South Chester Tube Co.

Mr. W. A. Janssen, Assistant Fourth Vice President, was a guest of the Foremen's Association recently at their regular monthly dinner. Mr. Janssen delivered a very interesting talk to the Foremen after the dinner.

Dick MacDonald and Bill Foster recently enjoyed a gunning trip for ducks on the Maryland Marshes.

The Foremen's Association at Thurlow recently enjoyed a very good dinner, and afterwards took in the Passing Show at the Lyric in Philadelphia. The Dinner was served by Eddie Miles, in his usual tempting manner, after which the boys caught the 7 o'clock train for Philadelphia. The show was especially good and every one voted they had had a very pleasant evening, the talk of the gang being about "Kyra." Some of the men took their wives along, they being Mrs. Jackson, Mrs. Slawter, Mrs. Foster, Mrs. Morgan, Mrs. MacDonald, Mrs. Getz and Mrs. Shaw. (The following Monday in the Dining Room when they were talking it over, Foster told the boys that his wife absolutely refused to allow him to go to another Theatre Party without she was along. Bill agreed.)

Ed. Medlar, Chicago Office Auditor, was a visitor at Thurlow recently. While at Chester, he paid a visit to Bill Brown's home one night and sampled some "home brew." Ed declared that he never again would taste a drop of anybody's "home brew," regardless of how close a friend, because the next day he suffered the consequences.



**East St. Louis**

The Boiler Feed Water Controllers have been cleaned and at this writing are ready to put into commission.

Ryerson, of the Pipe Shop, seems to be a busy man. You bet, but the air hoists are working fine.

Wm. Motters, our efficient Valve Mechanic, is improving greatly in looks since he completed his course in beauty naps.

Our worthy helper, Odell, has accepted the position of Oil House Man. Success to you, Paul.

The new Open Hearth Pipe Tunnel is about half completed. Oh, for the day when the new lines are swayed into commission; we can then give a sigh of relief, for we are in suspense as long as we pump through the old pipe lines; so go to it, Roy.



Furnace Helpers, pull out the burner when you roll over and you will save a great amount of pipe from being burned up.

We came to work one chilly morning recently and found everything frozen but the Boilers. Turn the water off boys, and help to save pipe and a lot of hard thinking by the one who thaws them out.

Smile! That is what Buck and Joe of the Power House say.

The assistant contributing editors at this Works for 1921 are as follows: Accounting Dept., Mr. Gus Wettig and Miss Dolores Nail; Carpenter Shop, Mr. Wm. J. Busch; Foundry, Mr. Ralph Bridges; Watchmen, Mr. Chas. Flantt; Shipping, Mr. Harry James; Laboratory, Mr. F. A. Von Gruenigan; Athletic and Sports, Mr. D. M. Ellis; Core Room, Mr. J. C. Sullivan; Pattern Shop, Mr. F. C. Boltas and Mr. Martin Reis; Masons, Mr. Jos. R. Clark; Pipe Shop, Mr. Harry Cooper; Timekeeping, Miss Zona Somers; Electrical Dept., Mr. Ed. Doyle; Open Hearth, Mr. R. Armstrong; Engineering, Mr. A. E. Jasper; Inspection, Mr. Jos. E. Graham; C. M. & A., Mr. J. L. Warhover; Machine Shop, Mr. G. B. Borsla; Yard, Mr. John Werle.

WANTED: One tin deck of Playing Cards, for Pinochle Contest staged at store room at noon hour each day. To date Wm. G. Schwinn, one of the players, has destroyed 6 decks of perfectly good cards each day, and trying to help cut down the High Cost of indoor sport we would appreciate some one giving us information as to where we can obtain a deck of cards made of tin so when "Tony" bids 550 and melds 450 Mr. Schwinn can not tear up the deck.

We must show a little gratitude in behalf of our Plant Janitor, Mr. Johnson, in his efforts toward sanitation.



Elda Galloway, Stenographer,  
Works Manager's Office,  
eleven years' service at  
East St. Louis

Our Assistant Pipe Shop Foreman, John Cooper, has sold his "Hup" and bought a Ford. He says he is going to drive through to the Oil Fields in the spring. Good Luck to you, John!

Mr. L. W. Egan, Special Engineer, from the Chicago Office, visited this Plant recently.

Mr. Harry Simmons, Famous for expert management of the Six Wheel Truck Division, is another eligible waiting at the gate. Maybe she is well worth the waiting for. Better hurry up, Harry, they are going to place a tax on bachelors and pension all "floor walkers."

Mr. James Cleary and Mr. Harry Shinall made a flying trip to Granite City Works to study shipping conditions and loading of castings as practiced at that plant. Though they liked Granite pretty well, both admitted they were glad to get back home again.

B. L. Beasley is another one of our eligibles. Some of these days B. L. is going to get "vamped" a-plenty. We are watching for first symptoms. Can you imagine a more fitting picture than our enterprising Final Rail Foreman escorting some local belle on nightly trips to the "movies?"

When Wm. Hawley, dressed in his working paraphernalia, O. D. Shirt and everything, squints along the barrel of his transit and swings it around on its tripod, you'd think the marines were going into action with the machine-gun squad. All that is needed to make it more realistic is Messrs. Frei and Day, bringing up the rear with their trusty pump guns.

The thrill that comes once in the life of every man, has found its way into the heart of Steve Simac, Final Rail Chipper. The girl in the case said "yes" very plainly, and their wedding shall prove the termination of a courtship, which began some months ago. The couple met at a party at a very intimate friend's home where a friendly Euchre game was in progress. Steve offered to play both hands and is still doing the same. If Steve makes as good a husband as he is a chipper the future Mrs. Simac can well say, "I got you Steve." Even if Steve does have to sell that Indian he has in the shed to procure a license and furnish a flat.

They said we had no "pep,"  
Hear our approaching step;  
East St. Louis Works! Hep! Hep! Hep!

OCTAGON barometers never lie,  
Can't you see we're climbing high;  
The correspondents on their mettle,  
All wound up, not easy to nettle.  
Gone are their luke-warm ways,  
On top we are going, and there to stay,  
No more bottom, we are on the way.



Lawrence Timmons, Foreman, Pattern Storage; 3 years' service at East St. Louis

We take the liberty of appointing ourselves a committee of one to inquire why the C. & M. does not advocate a stag dance. We recommend the D. C. S. for any human male who has the temerity to attend a stag affair after his wife gets wind of it.

It is highly amusing to hear some of the single bucks tell what they would do if they had families. (Sh) It's no secret, they would do just as we are doing. We can all learn to dodge a rolling pin.

W. D. Wilson, our Billing Clerk, better known as "Woodrow," spent Thanksgiving Day away from East St. Louis, just where we cannot say, but he must have had an enjoyable time from the smile he bestowed on the office upon his return.

Mr. Harry Greve, Yard Master, is either digging for the tomb of some long lost Egyptian Monarch, or else he has in mind a niche in the Hall of Fame by going the Panama Canal one better, judging from the size of the ditch he is digging from the Furnace Building to the oil pumps. It also resembles some of the trenches "Over There" and if Harry could induce some good looking lass to dispense hot coffee and doughnuts, it's a hundred-to-one shot he'd soon fill up the ditch with ex-doughboys.

The Time Office Bunch may be slow in some things, and you can hardly expect them to be otherwise, for they always think, "Well, there is no hurry, we have PLENTY OF TIME," but they are not so slow when it comes to Red Cross contributions: *First Dept. In and 100 Per Cent.*

The East St. Louis Works has just completed running 386 heats out of No. 2 and No. 3 Furnaces. Some record! First Helpers on No. 2 Furnace, P. Hubert and J. Lukitsch; on No. 3 Furnace, Thos. Crehan and Eddie Fails.

The first heat was tapped from No. 4 Furnace at 8:59 A.M., November 20, 1920.

Mr. Paddy Hackett, Chief Electrician, at the Granite City Plant, accompanied by Ex-Hun-Killer, Ernie Peibermann, were visitors at the shop recently.

Adelai Dickson, Chipping Room Electrician, was on the sick list for a few days but is O. K. and back on the job again. Dick says if he had had \$250.00 to spend he could have had appendicitis.

All exponents of the Light Fantastic, will look to their laurels as Sam Day, Ed. Harper, Shorty Owens and Martin Dwyer intend to attend the dance given by the Club in the near future.

Emmet Walton, Foundry Electrician, has decided to invest in an aeroplane, as he believes he can chase trouble better that way on the cranes. We expect to see Frank Baumeister and him take off from the "Crow's Nest" on the roof where their shop is located any day now.

Our new Telephone Operator, Miss Isabelle Paradiso, is right on the job and we are glad to welcome her among us. Miss Paradiso comes from Chattanooga, Tenn., and takes the place of Mrs. Norma Hall, who recently resigned. Although it is rather early we are somewhat interested to know whether or not she is a dyed-in-the-wool baseball fan and will keep us posted as to scores of our favorite teams.

Mr. Plesse is back with us. He says he is hardly normal yet, but if the reports from the dining room are true, we sure would hate to be the cook when he does get normal again.

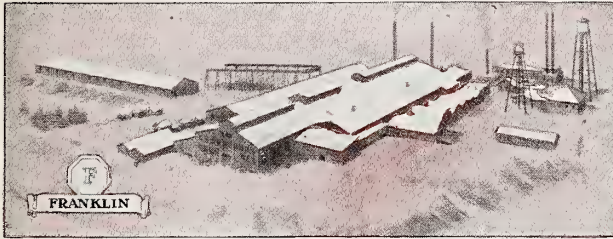
It is with profound and sincere regret that we announce the death of Mr. John Wall, Assistant Foundry Foreman, who departed this life Nov. 17, 1920, after an illness of several months. Mr. Wall, always spoken of as a fine old man,—and he was in every sense of the word,—was, we believe, the oldest man in point of service in the American Steel Foundries, he having served in various capacities for a period of forty-four years.

A conscientious and efficient foreman, both valued and liked by employer and employee, giving his best efforts to further production for the Company who employed him, and at the same holding the confidence and esteem of his fellow employees.



"Rub one! Rub two!" Ed. Dowell's sayings are becoming as famous to the onlookers at the Euchre game during noon hour as Lawrence Perry's "Don't give up the ship" is to school children. And Ed has such a beautiful melodious bass voice that one can almost hear it in China. Attaboy, Turk!

Messrs. C. Bennett and W. (Smily) Leiposick are the champion chippers of the Yoke Department, the former having cut 50 pieces and the latter 48 pieces in an 8-hour day's work.



**Franklin**

Harry Mapes of the Repair Department and Duff Reynolds of the Molding Department took a week's vacation to hunt in Jefferson County and brought home with them 30 rabbits and 15 birds. Mr. Mapes tells us that they could have done better, but the rabbits got their number and wouldn't give them a fair chance.

Howard Swyers, one of our well known Machinists, is working hard to get his voice in trim for the big Base Ball Minstrel. Howard's voice is one of his biggest assets and he knows how to capitalize it.

Earl Snyder, Molder Apprentice, went on a hunting trip a short time ago. On the way back the Ford, in which he and his brother were going, went to pieces and they had to be towed in. Earl says he had no objections to paying for the new parts but he thought that things were carried too far when he had to pay his brother sixty-four cents an hour for the repairs done, especially when the blooming thing ran backwards and doubled his expense.

"Cal" McMurdy, Yard Foreman, is looking for a magnet-proof clock to equip his office with. The big magnet in the neighborhood of his office put two Big Bens out of commission during the last few months, and it is feared that Cal may have to use a sun-dial to tell the time.

Bacus Austin, our colored friend from the Yard Department, is out on crutches after several days' confinement at home. Bacus says his leg was broken in seven places.

Dick Thomas, our very efficient Crane Inspector, wonders how some fellows succeed in getting such nice write-ups in THE OCTAGON, while up to date he never even saw his name in print.

Miss Publicity is a very fickle goddess, Dick. She will get you when you least expect it.

We notice an item in the November issue of THE OCTAGON referring to Mr. Applegarth's musical ability. However, in our Power House we have another musician who is simply a wonder. \* \* \* When he commences to play every man in the Shop quits work. If you doubt this assertion stand between the Shop and the Time Clock two minutes after Bill Elliott blows the whistle.

Speaking of "Proud Fathers," we think Franklin has a case extraordinary in that of our Contributing Editor, who, according to his statements, backed also by the attending physician, has the most beautiful as well as the most perfect baby daughter ever born in a Pittsburgh Hospital. (Vera Louise Case, born Nov. 22, 1920.) According to statistics, there have been born 3500 children in this same hospital, so the above statement should be considered some honor to the daughter of Mr. Case. Upon investigation, it was found that the other 3499 children were boys. However, we are taking Sam at his word for he is passing "Girards" to his most intimate friends, candy to the office girls and "Blue Ribbon" cigars to those of least importance.

Besides leaving a baby girl at the home of Mr. S. L. Case, the stork also paid a visit to the home of Ernest Wineman, our Foundry Inspector, leaving him a fair daughter. As in Mr. Case's case, this was his first visit, and his gift was much appreciated in the Wineman home. Girards and Camels were freely passed to friends, and even candy was indulged in.

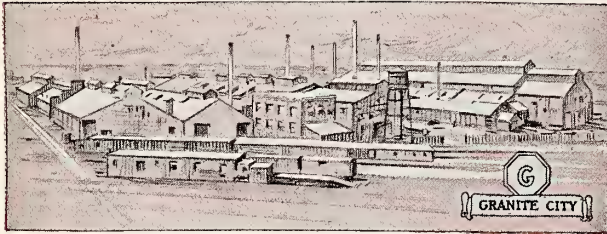
Sam George and C. H. Firster got the lucky numbers in a recent turkey raffle. Sam is looking now for the very latest in turkey dressing. Any suggestions on that subject, kindly address to the Contributing Editor, and oblige.



**F. M. Struble, Annealer, at Franklin Works, three years' service**

Messrs. George Ross, Robert Satterwhite and Donald Bleakley were members of a Committee who designed the float representing the American Steel Foundries in the Armistice Day Parade. Glenn Wilt ran in competition with the A. S. F. by heading a float of his own. Byron King made a hit in his tight fitting Lieutenant's uniform.

McCall, of the O. H. Department, says if you wish to know how heavy a pig of iron is just let one fall on your toe. He tried it.



**Granite City**

Ed Duncan was walking along the gangway the other night and saw Ike Cook, a colored laborer, taking a pin out of one of the molds. Ed said, "Don't pull out that pin, Ike, you'll ruin that mold." "Why, Mr. Ed, dat mold am done poured. If you don't believe me, feel it and see," replied Ike.

Mr. A. Morgan, our former Pattern Storage Foreman, has been transferred to Watchman. He has grasped the job quickly and patrols his beat like a policeman with fifteen years' experience. Mr. B. McEvers has taken over Mr. Morgan's former duties and with the assistance of Messrs. P. Marmion, A. Mayer and O. Hogan, is kept on the move.

The Works Council is making big strides at this Works. They have now inaugurated an "entertaining and get-together club," which is bound to promote a better feeling among all. By the time this item appears in print, they will have been entertained by a real Minstrel Show by the employees of the Company who can do other stunts besides make good castings.

One night, about half past eight, it became necessary to call the residence of Lon May, General Foundry Foreman. Mrs. May answered the phone, and, in reply to the caller's request to talk to Lon, she stated that she always sent Lon to bed early and therefore in the future all calls would have to be made before half past seven in the evening. (P. S. We don't believe this, do you?)

Mrs. Muriel Moore, our Night Cook, serves those wonderful meals, day after day, and her pie cannot be beat; she also serves delicious corn bread. Since Mrs. Moore has been on the job serving suppers, the workmen have lost their grouch, which goes to show she has done next to the impossible to please them all.

Robert Kramer, of the Foundry, put in a few hours of overtime recently working in another fellow's place. That shows the proper spirit, old boy.

Mr. James McDonald recently left Granite City to take a short leave of absence, during which time he paid a visit down on the farm and returned with his wife and three weeks' old baby boy. Jim says the little chap has a good voice, which with proper training, ought to develop into a "high soprano."

Wm. Hurry says the Salamander Coke fires feel good in the winter months, for these coke fires are a great aid to the foundry and a joy to the workman whenever he has a bit of spare time.

Mr. Evanoff, of the Foundry, caused considerable excitement and not a little amusement the other evening, when he pulled the little lever on the fire alarm box, located just inside the Pattern Shop Door. After he discovered his error he tried to shut off the "ticker," but found that he could not do so. He then ran into the Yard and met the members of the Night Fire Department, crying out "No Fire"—"No Fire"—"No Fire." The Night Superintendent, "Jim" Wright, asked him more questions than can be found on a government income tax return.

Mr. J. Morgan, of the Foundry, was passing around the cigars to his many friends due to the arrival of a nice nine pound baby boy at his home. Both mother and son are doing nicely. Mr. Morgan states the son is a welcome Christmas addition to the family.



**F. E. Leffman, Final Rail Foreman, H. Marshall and M. Hardin, Assemblers**



Every day we hear more about that hunting trip, which Ed Earney, of the Foundry, recently took. Latest reports are that it took a physician over two hours to remove the shot from his back. It is reported that in all, thirty-six shot were removed. Seems like someone tried to "clean up" on Ed. We are glad to hear that he is doing nicely. Mr. Emmet Moss has taken Ed's place while he is recovering from his wounds.

Gus Meyers, the Auto Repairman, still insists on singing the old song, "Get Out and Get Under." Gus can always be seen under a car making repairs of one nature or another. Gus is a night owl.

Shorty Groves, the Sweeper in the R. & M. Dept., is so small he tried to hide in back of a broom handle. When Shorty was discovered, he said, "Oh, I was only fastening the broom wires."

Jesus Sanchez gave up his job as Stocker to become a Gas Maker for the Annealing Ovens in the Wheel Dept. Says he is better qualified to make gas than lift Pig Iron.

T. F. Clay recently undertook to become a member of the order of the Fleas. Mr. Clay, not being in first class health, could not take over one and one-half degrees, and was rejected. Mr. Clay must try again. Mr. Morgan, a Process Inspector in the Molding Department, has made application to become a member of the Fleas at the next meeting. We hope Mr. Morgan may be better qualified and pass the examination on his tryout.

J. Von Bibber knows more about rabbits than anyone in this vicinity: Jeff makes a study of Belgian Hares and Flemish Giants; has quite a number of them at present. Jeff says when he was on the farm, they always caught the cotton tails by putting out a box of snuff, which the rabbits would inhale, after which they would sneeze themselves to death. This enabled them to have fresh rabbits all winter.

Mr. A. Wehlman, an Electrician of this Works, recently injured the index finger of his right hand, which has kept him from work. The boys are anxious to see Tony back on the job.

Recently, while Ernie Leibman was sick, someone played a joke on Paddy Hackett when they telephoned him to collect Ernie's E. B. A. benefits. Ernie is far from being a dead one at the present time.

Heats in Open Hearth Furnaces, like Time and Tide, wait for no man. The other evening, Al Boyer, Melter, and Henry Marx, Clerk, were late for supper on account of a pesky heat being ready to tap out just at meal time. Consequently, they missed out on the celebrated candied sweet potatoes, for Harry Kuhlmann got in ahead of them and ate them all.

John Waldt has accepted a position on days.

E. Harpole has become the Drummer in the Octagon Orchestra at this Works. Bob has taken the place of K. Andres.

The employees of these Works wish to extend their sympathy to the family of Mr. J. R. Wall in their sad bereavement. Mr. Wall was a man who was well thought of by all his fellow workmen, and was employed by the A. S. F. for quite a number of years.

Luke Van Buskirk, Time Office, gives great promise of becoming a shining light with the Violin. Luke sure makes the Jazz Babies go wild with his Jazz playing.

Mr. William Schmidt, formerly Pattern Inspector at this Works, recently with the East St. Louis Works, has returned to the fold. Glad to see you back with us, Bill.



Henry Kuper, Pattern Varnisher and Sign Painter, Granite City

Frank Leonard drove his Gardner Car over to Chester, Ill. He said he wanted to see some of his neighbors who were over there in the Pen for boot-legging. Upon second thought he decided that he had better not go too near the work-house, so he turned around and came back before any of the guards recognized him.

At night when meals are served in the dining room, there seems to be too large a space between one end of the table and the other. So it was decided to establish a relay station between these two points. This is known as "Ballett Station"—presumably named for Henry Ballett, who is getting fleshier since supper is being served in the dining room—and messages are relayed through this point from one extreme to the other.

A very unique wedding took place recently when Mr. Victor Koenig, of our Accounting Department, was married to Miss Dorothy McCluskey, and the fathers of both bride and groom being ministers of the gospel officiated together at the ceremony. "Vic" and his bride are well known and popular in Granite City and Belleville, and we take this occasion to congratulate them.

Although Mr. John Sauerwald, Pattern Shop Foreman, has been married two months and the event almost forgotten by the girls in the office, he gently reminded them of the affair by sending them the long promised candy. They take this opportunity to thank him very much for it, and to wish him all the success in the world.

Mr. J. Dial visited the Chicago Office and Indiana Harbor Plant recently and reports a very interesting trip.

Mrs. Betty Kline, our very skilled cook, visited in Springfield recently. We are all glad to see her back.

There is no question in our mind at the present writing as to what Plant should be given the Award for Good Order and Cleanliness, for we note that Mr. Kelly has some maids dusting off the exhibition trucks, which now stand in our Yard.

Here's one the Minstrel Show Committee missed. Joe Mowery asked Ed Duncan if pigs would be considered cheap if they sold for \$2.00 apiece. Charlie Heft, being present, hastened to say that they would, and that he would buy all Joe could give him at that price. Then Joe said that he had a few guinea pigs he would like to dispose of at that price.

Strange sights can be seen around this Plant. For example, Joe Falwell is wearing the ear laps of his cap turned down over his ears, while on his Locomotive, Jerome Wilkerson is still sporting a straw hat.

"Hap" Robertson and Bill Dougherty, the "red sweater twins," held up the switching crew the other evening, because the engineer stated that he saw two danger signals ahead and wanted to avoid a wreck.

Our Night Boss in the Repair Department recently paused long enough in his nightly game of "Breakdown, Breakdown, who's got a Breakdown," to put a new battery in his flashlight. He removed the cap of the case and installed the new battery, but failed to screw on the cap. Instead he placed his thumb against the battery, and, when he failed to light the bulb in that manner, he immediately declared that the new battery was "on the bum." Charlie thought he had enough conductivity in his thumb to carry what electricity the battery contained. He was assured by those present that he was a lightning wizard when it came to fixing "breakdowns," but that even his magnetic personality was not sufficient to produce the requisite amount of electrical current for the "job in hand."

When Ferd Pieper of the Storeroom took his vacation, he spent it making home-made sausage. In that case one would undoubtedly say that he had a stuffing good time.

E. Jones, one of the Chainmen at the Big Drop in the Yard, surprised us all the other day by reminding us that as soon as the soles of his shoes wear out he will be back on his feet again.

We have made several efforts to find out just who presented our old friend, Dawdy, with the very generous portion of Limberger cheese, but, to date, we have been unable to learn the donor's name. The particular slice of cheese in question must have been shanghaied and brought to this country from abroad, for the cats all dashed away helter skelter.

Tony Wehlermann, of the Electric Dept., has been nursing a sore hand recently. Tony has the sympathy of every man in his department and all hope that by the time this appears in print, he will be able to be at his old place again with his accustomed smile for everybody.



If fresh paint, fancy lettering and first class decorations are any indication of the quality of workmanship put into the reconstruction of our No. 5 Locomotive, it will surely be "in a class" with the Big Trunk Line locomotive when it comes to a display of power. Everyone from Mr. W. J. Kelly, Assistant Works Manager, to George Herl, Locomotive Engineer, is as proud of it as they used to be with a little red sled or a pair of copper toed boots. It is reported that Arthur Prout, our Whirlwind Master Mechanic, is going to hang an enlarged picture of the locomotive in the parlor of his home.

George Winters, the Assistant Yardmaster, is some hustler, and as George is a good natured chap the boys are always willing to do for him whatever he may ask them to do. For a generous chap he cannot be beaten, he is even lending his clothes to his fellow workmen.

The boys at this plant are glad whenever they see W. J. Hess' name in THE OCTAGON. William worked at this Plant for a while when the East St. Louis Plant was not running. Bill made a number of friends while here and his name will live in their memory forever.

Harry E. Miles, who has recently taken over the position in the Yard known as "Night Stocker Boss," is studying biology. Harry can be seen nightly trying to locate some specie of pig iron moth.

The Octagon Quartette from the Yard Department, have a number of good singers among them. A musical was given recently by The Octagon Orchestra at the American Hotel in St. Louis. The employees are taking great interest in this orchestra.

There are signs of an early Spring for this vicinity, for Frank Leonard recently purchased a lawn mower. Maybe it has a hair cutting attachment.

Pat Connerty, a Foreman in the Wheel Department, is well liked by all his men. Paddy certainly has a winning disposition.

Ray Barbee says he does not understand how a chisel can be named a Bull Chisel when it has no evidence of any Bull attached to it.

W. C. Engelman has accepted the position as Floor Man in the Storeroom. We do not know of just what the duties of this position consist, unless it means that his friend Erwin is rolling him around on the floor again.

The employees of this Plant wish to offer their condolence and sympathy to Mr. Humphries of the C. & M. Department in the hour of his bereavement over the loss of his wife, who recently died from the effects of an operation.

Mr. Hull, formerly a Checker in the Core Room, is now an Assistant Foreman in the Core Room. Our best wishes go with him in his new position.

One of the workmen was asking why they put the wheels in the annealing ovens and make them red hot after they once had been molded. He was informed this was done so the railroads would not have a hard time shoving the axle through the wheel.

Herman Bader has returned to this Plant and accepted a position as switchman. Mr. Bader has had considerable experience in our Yard Department and will make us a valuable man.

Harvey Boone, one of our Locomotive Engineers, who operates No. 5 locomotive which was recently overhauled, claims he had an awful time getting "5 spot" city broke, but reports that now she's as gentle as a lamb.

Messrs. Henry Herl and George Herl have finished the remodeling of George's house. "Hank" says that this little piece of work set George back about fifteen hundred iron men. Some one said that this was on account of the first class stucco work which was done. We would like to know who "stuck" George for he certainly must have done a first class job at it alright.

J. Hanson, formerly a Derrick Fireman, has taken over the duties of Switchman. Mr. Hanson, at one time, was Locomotive Fireman on the C. & A.

H. A. Robertson has assumed the duties of Night Yardmaster left vacant at the resignation of Mr. Wm. Daugherty. We sure hated to see Bill go.

Oliver Arbogast seems to be waxing fat on his job. Oliver is Day Stocker Foreman, and his specialty is locating shop scrap.

Mr. B. F. Smith, Derrick Operator, recently spent a few days working in the Machine Shop.

Mr. Fletcher Thompson, Derrick Chainman, was on the sick list the first few weeks in December. We hope that, by the time this goes to the printer, "Tommie" will be with us again.



## Hammond

Uncle John Barge is temporarily in the Works Manager's Office, during the time alterations are being made in the Office Building.

Mr. O. Stewart, formerly of the F. S. Betz Company, has been added to the list of Simplex employees.

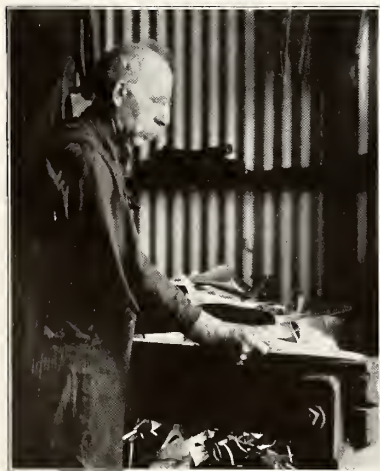
Mr. J. A. Calwell, Assistant Works Manager, is being beamed upon by all the girls. He has very generously donated his office for a "Noon Day Lunch" rest.

A general clean-up has taken place in the Bolster and Spring Shops.

Mike Huber, Oiler in the Spring Department, was recently operated upon at the Jackson Park Hospital. From last reports, he was getting along nicely.

After years of resistance against the inroads of femininity, our Storeroom has finally succumbed, adding Miss Mary Shoptaugh. Lucky Mary.

Our fowl buyer, Mr. Jess Walker, of the Spring Department, is disappointing his customers this year. His excuse is that the farmers refuse to stop husking corn long enough to crate the "birds," even at a tempting offer of two cents more per pound.



Jacob Young, Tinner, fifteen years' service at Hammond

Mr. Reinhardt Elster, Stock Clerk of the Spring Department, reports that he had a bottle of "Real Suds" the other night. Could it be "reel goods"? Up to date, he refuses to divulge whose was the "seller" or "cellar."

Mr. R. F. Kaun has left this Works and the position of Works Engineer is now being held by Mr. F. M. Timm, who was transferred from the Clasp Brake Department.

Would, dear Reader, that we could tell you of Mr. G. H. Austin's "Most Embarrassing Moment." A check book and a hypnotic eye did the trick.

The Cost Department, consisting of Joe Mecum, Harold Ore and R. H. Patterson, has been moved from the office of the Clasp Brake Department to the Main Office.

Joe Austgen is shaking hands with himself, owing to the success of his Elk dinner dance which he put across Dec. 2nd. "Cinderella, Right from Broadway," was part of his entertainment. Joey is keeping up to his past record with the chorus ladies.

A part of the old Brake Beam Shop at the east end, between the Steam Fitters' and Tinnners' room, has been fitted up as a Garage for the two Diamond T Trucks.

The Spring Department has been sending out an SOS for an Airedale dog. Death claimed Miss Shafer's "Jerry." We extend our sympathy.

Mr. August Riechers spent a few days in Beaver Dam, Wis., on Company business.

Miss Marie Gerlach has taken the position of Stenographer in the Invoicing Department vacated by Walter Lewandowski, who was transferred to the Accounting Department. Miss Edith Lyons is Comptometer Operator in the Auditing Department, taking the place of Miss Rose Johnson.

Jimmy Graves, Inspector at Indiana Harbor, is telling a fanciful story of his two broken ribs. It seems like he was bowling along at a snail pace when he was forced to turn suddenly into a telegraph pole to avoid being dissected by another machine. He claims he was carrying a large casting in the front seat with him and it slid down around the steering gear. The wife may swallow the story, but knowing Jimmy as we do —

We have one effeminate Stenographer who has put to rout the old saying "A woman cannot either drive a nail straight or without damage to her fingers." Miss Esther Shafer hung our medicine case in the dressing room as creditably as any full-fledged carpenter. (Our male readers please take note.)



Mr. Robert Gordon, Carpenter Foreman, has been on the sick list.

Mr. Mike Griffin, Inspector (New York Municipal Ry.), has returned from New York where he was called by the sudden death of his mother. We extend our utmost sympathy to him.

J. E. Lowe is a new man in the Invoicing Department, taking the position vacated by Stanley Sonnenberg, who has been transferred to the Accounting Department, Main Office.

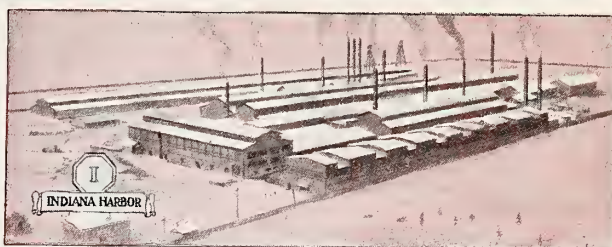


E. S. Cooper, Chief Draftsman at Hammond; 19 years' service

Recently the Office Force of the Simplex Works gave a dancing party at the K. of C. Hall. Mr. Jensen had charge of the arrangements. "Barney" Conrath, Inspector, furnished a five piece orchestra and it was agreed, in unison, the music could not be equaled. The Hall decorations were magnificent, representing a Garden of Eden. Thanks to Joe Austgen, the old standby who would not allow his brother Elks, at their formal dinner dance, the preceding night, to molest the beautiful trimmings. When it comes to "Simplex Steppers," it will be hard to find their peer among other plants. Mrs. McCoy, Stenographer, and Jane McCluskey, our Telephone Operator, showed the graceful waltzing, while the fox trotters were represented by Mr. Cooper, Chief Draftsman, Mr. Brown, Misses Kreis, Huehn and Kummer. Mr. and Mrs. Walter Halfman stepped to all of the music as did the Broze family, while Joe Austgen was dubbed "the Jazz Hound." C. G. Kingwill honored us with his presence for a brief interval, but when he saw the lively steppers, left. All sections of the shop were well represented. Mrs. and Mrs. T. Falstrom from Indiana Harbor were present.

A few get-together nights will make the Simplex Works a great big family. Our next event will be early in January and is already looked forward to with much anticipation.

Changed coal bunkers so that we are able to unload coal direct with crane from cars. "Up-do-date," that's the Simplex motto.



## Indiana Harbor

The new Open-hearth track to No. 1 Foundry is a great improvement over the old method of getting up the heats. The Yard switch engine makes all moves in and out of the foundry which gives the Yard Department more use of the Locomotive crane.

Mr. Pete Pierson, our Heat Scaleman, has moved to his new office on No. 1 Open-hearth platform. Mr. Gus Dixner, Head Melter of No. 1, also will have headquarters there.

A new 3½-ton Diamond T truck has been added to the Shipping Department. Some truck.

A Clark Truactor (Yard Mule) has been added to the Yard Department to haul all intermill material, replacing two one-horse dump carts. Yardmaster J. O. Bailey said he understood that Mr. A. Getty, General Foundry Foreman, No. 2 Foundry, has been attending church regularly since the Truactor arrived. (Ask Mr. F. Murley.)

The employees of the plant wish to extend their deepest sympathy to Mr. George Baker, Foreman of the Grinders in No. 2 C. M. & A., on account of the death of his father-in-law.

Walter Scully, one of the oldest clerks in No. 2 Foundry, has been transferred to the Order Department. Walter has a host of friends who wish him the best of success in his new position.

It is rumored around the Foundry that Bill Borchert, Production Department, has purchased a farm in the vicinity of South Chicago. Go to it, Bill, there is lots of money in Alfalfa providing the barbers don't get next.

From all reports, the Production Department will have to be prepared to face another subscription list, in the form of a wedding present, as our old friend, Ed Kelly, is about to take the fatal step and take unto himself a wife. Go to it, Ed, it's all right if you don't weaken.

# THE OCTAGON

A one-act comedy was staged at Indiana Harbor Works the other day, most different from the average light comedies produced back of the glaring "foots." In drawing up the cast the writer would like to introduce each as to their appearances, purely to distinguish the different methods of getting "in wrong."

## CAST OF CHARACTERS:

(Inanimate)—Telephone.  
(Animate)—T. O., M. G., A. E., S. A.  
*Stage Setting*—Desk and Telephone.  
*"Time"*—Standard. *"Place"*—At Works.  
T. O.—American Steel Foundries.  
M. G.—Hello, American. Let me talk to someone about the handling of "OCTAGON."  
T. O.—One minute, please. (Plug inserted, key turned, bell rings and the office out in the Plant responds to the signal.)  
A. E.—Hello, Engleton talking.  
M. G.—Are you the gentleman that handles THE OCTAGON?  
A. E.—Yes, sir.  
M. G.—After this, will you arrange to send a copy to our Chicago Office?  
A. E.—Who is this speaking?  
M. G.—This is the Air Reduction Sales Co. (very snappy).  
A. E.—Who?  
M. G.—Repeat—only with the address given as 3348 Lombard Street.  
A. E.—You want me to mail you a copy of THE OCTAGON?  
M. G.—Yes. You see our East Chicago Plant is down and it will be in order for you to send the orders to our Chicago Branch.  
A. E.—What the H——. Who is this? Are you on our mailing list?  
M. G.—What list are you talking about. Never mind the list. Send us your copy because the East Chicago Branch do not make deliveries to your Plant. Our truck will be out today to get them.  
A. E.—I am afraid I don't retain. Your truck? What truck?  
M. G.—Our truck will pick up the empty tanks.  
A. E.—Oh yes, I see through it all—your empty tanks. Yes, yes. Now after all this loss of time I realize your position. I am afraid the operator has caused a little confusion. You're the party inquiring for "Oxygen." Just a minute, please. (A. E. gently presses receiver hook calling attention of operator.)  
T. O.—Yes, what is it?  
A. E.—Let this party talk to our Supply Agent.

He's looking for the fellow who handles oxygen, not THE OCTAGON, lady.

T. O.—Good night, Judge.

S. A.—Yes. Why hello old top. How's everything? Sure thing we will take care of you in the future.

Jack Deisler, Official Matcher of No. 1 Foundry, claims that owing to the high cost of living he will be unable to furnish cigarettes and gum to his many callers. We don't blame you, Jack—cut out the above-mentioned articles and buy some soap. We all need our own.

Mr. Albert Getty has recovered fully from the effects of his Thanksgiving celebrations and is back in the shop once more. Al says, however, that every day is Thanksgiving with him when it comes to putting on the groceries.

"Everything comes at once." At least, that is the opinion of Mr. Von de Forest Northrop, formerly Timekeeper in No. 1 Foundry. The stork delivered a bouncing baby girl at his house one day and the next day he was transferred to the Main Office, to work in the Distribution Department. Looks like the old "Grindstone of Daddy."

The Dinner Dance held at the Hotel Lyndora, Hammond, Ind., given by the Indiana Harbor Works, was a huge success. Something like sixty-five couples were present. An elaborate dinner, good music, and last but not least, dancing, tended to make the time fly for all present. Let us hope that other such parties will continue to be staged, to keep the reputation of good fellowship among the people of our Plants.

Our sincere sympathy is extended to the parents of Willie Jenkins, a Flogger in No. 1 C. M. & A. Department, who took sick on the 29th day of May and passed away on the 12th day of November. He was a member of the E. B. A. at this Works.

Ralph Brown, one of our Masons and member of our Employees' Benefit Association, who was taken sick on March 1, 1920, died at Albuquerque, New Mexico, on Tuesday morning, November 23rd, 1920, leaving a wife and baby girl. Our sincere sympathy is extended to the widow and parents of the deceased.





Richard Caldwell, Watchman at Indiana Harbor Works; eight years' service

Harold C. Osman and wife in the bereavement of Mrs. Osman's father, who died suddenly at Joliet, Ill.

The class that has entered the Special Course of Modern Production Methods has about 55 students enrolled and the enthusiasm displayed certainly points to a success. Mr. John Calder is the organizer of the Course. Open discussions are held after every meeting, when very interesting subjects are taken up by some of the Foremen in the Works. Much credit is due to Messrs. Adam Waldner and Harold Wallis, for the interest they are showing at the different meetings.



## Pittsburgh

Elmer Thomas, Night Craneman, is the proud father of a bouncing baby boy.

We express our deepest regrets to Tony Gergwick of our Foundry Department, in his late bereavement.

Abbott Weaver, the old time pattern maker has entered into the service of the A. S. F. once again. "Buck" is one of the many boys that have a keen eye for the good fellowship displayed at this Works.

The Indiana Harbor Works has lost one of its old employees, Mr. E. C. Konstanzer, formerly Cost Clerk. Ed has resigned to enter the "dry goods" business—a very safe proposition, the opposite to which having been recognized as obsolete.

We wish to extend our deepest sympathy to Mr.

Miss Peggy McAleer was transferred from Pay-roll Clerk to General File and Bill Clerk, and Mr. Irwin Tuckey is a new member of our Order Department. We welcome him and hope that he will make good. Harry Brown, our former C. & M. Clerk, has been promoted to Labor Distribution Clerk.

The Seven Thirty Club is planning to have an outing in the very near future.

The Pittsburgh Plant is anxious to know just what method was employed by one of their male friends at the Franklin Works in transmitting Christmas gifts to his friends of the fair sex.

Can you beat it, boys? A fellow in our Plant had ear lugs placed on his old straw hat!

George Metz, Melter Helper, has been flashing a broad smile the past few days. The reason—a baby girl.

The boys in the Pittsburgh Plant are a little bit jealous of Ralph Davis, of the Repair Department. For reasons, ask Ralph.

Mr. R. G. Arn and Mr. Jos. McCord are attending night classes at the University of Pittsburgh and hope to soon become expert accountants.

John Faber, of the Core Department, is some football player; he plays on one of the strongest teams in the district that competed in a championship game on Thanksgiving Day—Valley A. C. of Lawrenceville, position of Right Guard.

Chester Montgomery has returned to work after an illness.

Jack Holmes, Melter, has got his winter supply of potatoes at a bargain. Jack says he knows a potato when he sees one; he was once a farmer himself up in Eastern Pennsylvania.

Ruddy Arn smokes a new brand of cigarettes "O. P. O."—Other Peoples' Only.

Mr. Ed Medlar, of the Chicago Offices, visited us during the early part of December.

A reward is hereby offered for the recovery of half a gallon of cider (not very hard) stolen from our gang the other day. Several well defined clues point fairly clear toward the perpetrator of this unfriendly deed, but no material evidence exists.



O. S. Osborn, Chief Electrician at Pittsburgh Works; 7 years' service

There is considerable rivalry between James Hawthorn, Chemist, and P. G. Salmon, Core Room Foreman, regarding *best chickens*. Jim has forty Anconias and gets an egg occasionally. Pat has four Plymouth Rocks, eighteen Leghorns, three Anconias and one Cochin China, and two other chickens not specified. Pat gets an egg once in a while, too. Josh, our colored man - of - all - work, was asked to

decide the momentous question. He states that the chickens of neither are any good. He says the only chickens that are *good* are the ones that he has for dinner every Sunday—he refuses to tell where he gets them, but says “they doan cost me nuthin’!”

Jack Holmes, Chief Melter, recently moved from Liberty Avenue to Main Street. In cleaning out the cellar he made a wonderful discovery. A bottle that he thought contained vinegar, was found to be eight-year-old “Hootch.”

Ollie Osborne, Chief Electrician, likes to loaf in the evenings down on the corner in front of the Bank. He says there is money in it.

While returning from a Thanksgiving affair, Miss Evelyn Cregan and Miss Anna McCarrick narrowly escaped a serious accident. Their machine skidded on the slippery street and but for the expert handling and cool-headedness of the driver, they would have been wrecked, as the car was stopped just on the edge of a thirty-foot cliff. You tell 'em, cliff, it's only a bluff.



James W. Thompson, Filing a Bracket at Pittsburgh; 7 years' service

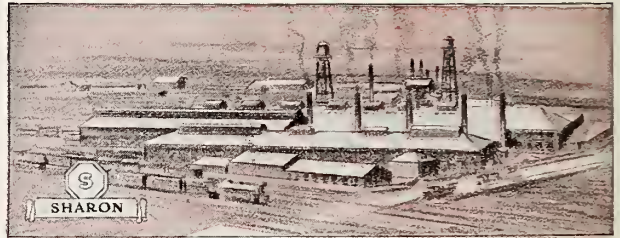
Mr. Walter Sharp, of C. & M. Dept., has purchased a home at No. 117 44th Street.

Jo. Polombo is now a proud Grandfather.

Mazza Bastiano, of C. & M. Dept., has bought the property at 148 Auburn Street for a home.

Harry Brown has been transferred from C. & M. Labor Clerk to Payroll Department. He was succeeded by Otto Krotozynski, who was formerly Office Boy.

On December 4th, in recognition of his bravery, E. W. Klaus, our Truck Chauffeur, and fifty-two others, composing the United States Volunteer Life Guards, were presented with a Medal by the Pittsburgh Post, as a closing episode of that newspaper's 1920 campaign to assist in the saving of human life in the Allegheny River section.



Sharon

H. J. Rollinson, our Safety Inspector, went out on a hunting trip and shot “Nemt,” the turtle dog belonging to Andy Dunlap.

John Cicotte Niehoff, our Master Mechanic, and Daniel Barnes, his Assistant, wanting to beat old H. C. L., and both being very fond of cider, bought a small press costing seventy-five dollars, went to the country and bought apples at fifty cents per bushel and in the evenings worked harder than they ever did in their lives in order to “show the people” something new, but instead of making four gallons of cider to a bushel of apples, which is the average of all the cider presses in the country, they made one gallon of cider out of six bushels of apples.

A. H. Lauer, Works Engineer, went out about twenty miles to hunt the little squirrel, took his trusty gun and bought about sixty new shells. When he got to the woods and started to load up, he found out he had a twenty-gauge gun and twelve-gauge shells, and anyone knows you can't shoot that combination.



After enjoying the finest autumn in the history of the Shenango Valley, we had our first touch of winter on Nov. 12th, having our first snow of the season on that date. (Here at the Sharon Works we always keep a record of the first and last snows each year.)



William Phillips, Machinist at Sharon

Joseph Barry, former Assistant Master Mechanic at the Sharon Plant, and now Master Mechanic at the Canadian Steel Foundries at Welland, Canada, was a visitor here for a few days. Joe is looking fine and enjoying life in Canada.

The first heavy snow of the season caused some worry for a few at the Sharon Plant. H. J. Rollinson, who still makes his home at New Virginia, found out a poor car was no good in the deep snow, so he walked seven miles to get to work.

Arthur Jones, Chief Electrician, likes to have plenty of light, especially at night. We would advise him to see Ray Williams, as he is a booster for the flashlight, as he has done some wonderful work with them.



## General Offices

Fifty employees of the Indiana Harbor Works have begun a course of mental training along the production lines. Much interest is being manifested in this course, and it would not be a bad idea for some of the other A. S. F. Works to follow the example of Indiana Harbor in this respect.

Mr. L. F. Engleton, Production Clerk at the Indiana Harbor Works, and Associate Editor of THE OCTAGON, paid a visit to the General Offices recently.

Harry Vestphal, of the Cost Department, has secured a position in Davenport, which is near his home. He left the Company the first of December. (Davenport, however, is not the only allure-ment.)

Any one interested in the Home Garden, or any form of agriculture, will have a pleasant surprise in store for them, when Harry Olden's articles on this subject will appear in future issues of THE OCTAGON. Outside of the actual interest in the articles themselves, they are both instructive and practical.

The recent Presidential campaign had nothing on our E. B. A. Trustee election, for 1921. Electioneering, free cigars and the usual handshaking were in evidence. Mr. W. A. Suttie won by a good majority, succeeding himself in this office.

Mr. C. F. Slundt took a little journey down to Detroit recently, to look over the American Auto Parts Company.



W. H. Gaul, Manager Coupler Department, General Office

The antics of "Lone Deer," a vessel hired by this Company to haul sand to the St. Louis Plants, caused considerable laughter. For particulars, see the Engineering Dept.

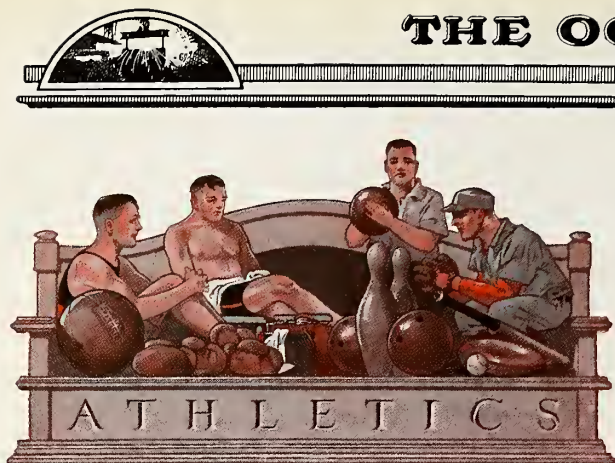
The offices occupied by the Engineering Department on the 11th floor of the General Offices have recently undergone a change, by the merging of the Drafting Departments of the Brake Department and the Sales Engineering Department. The result is one large, light and airy Drafting Room.

Mr. C. C. Jarchow, Manager of the Cost Department, has been submerged with work, lately. So much for mastering the art of cost intricacies.

Mr. J. P. Begley, Chief Chemist of the American Steel Foundries, and stationed at Indiana Harbor Works, was a recent visitor here.

Mr. E. S. Cooper, Chief Draftsman at the Simplex Works, spent a short while at the Chicago Office recently.

# THE OCTAGON



After our Bowling Team has trimmed a few more teams on the Industrial League and has taken on all comers in town, it expects to challenge the whole country—Granite City, included—and get by with it. Duck Pins are getting to be quite popular at this Works. A few teams were organized under the leadership of Ted Rial, of the Pattern Storage, and George Norton, Storeroom Clerk. The first contest in Bolmer's 13th Street Alleys was one of a series to be played between Teams of this Works. Total scores resulted in favor of the Pattern Storage team, Stores Time making 1392 points against Pattern Storage's 1437. (East St. Louis Works.)

In the Bowling League at Granite City, Ernie Robertson's Team is ahead by a "Yard" and the Office team demands an "Accounting" from the "Wheels," who claim that the "Foundry" have bolstered up on the "Patterns." Be that as it may, the Yard Department is easily the winner.

(Granite City Works.)

There is no little interest around the Plant, regarding the Bowling League, now being formed. All of the men are practising every night. The Organization Committee is composed of Messrs. C. F. Topnick, Chairman; R. G. Arn, Chas. Beppler, Misses Louise Zollinger and Hilda Voelker. After the teams have been organized and working, we would be glad to accept a challenge from some of the other Plants of the Company. (Pittsburgh Works.)

The men were delightfully entertained the other day by a 100-yard dash between Bob Ryan and Slim Buckman of the Pattern Shop. Bob beat Slim by about 75 yards and we are at loss to understand this as Slim's legs are at least two feet longer than Bob's. How come, Slim?

Dutch Kestner and Bill Spellacy claim the Quoit Championship of the Plant and are tired defeating Harry Johnson and Jerry McVey every day and are out looking for new conquests and through

the columns of THE OCTAGON wish to extend a challenge to all comers. Harry Hurd and Skinny Voschelle claim the Pinochle Championship of the Plant and we take this opportunity to refer them to Sam King of No. 1 Foundry, who is also a Pinochle Hound. (Chester Works.)

The Indiana Harbor Bowling League is now at the height of its popularity. Meetings are held every Friday evening from 5:30 to 7:30 at Whiting, Ind., in Wilkerson Alleys. As many fans as can possibly disengage themselves from other attractions are invited to attend and increase the number of rooters. Below are the results of the games played on December 17.

	Won	Lost	Pct.
Peppers .....	13	5	.722
Gumps .....	11	7	.611
Aces .....	8	10	.444
All Stars .....	4	14	.222

High Individual Game, Walker, Gumps .....	223
High Individual 3 Games, Walker, Gumps .....	533
High Individual Average, Murley, Peppers .....	163°
High Team Game, Gumps .....	840
High Team 3 Games, Gumps .....	2340

## PRIZE DRILL, A. S. F. FIRE DEPARTMENT EVENTS

1st—100-yard run with Hose Cart laying 200 ft. of hose and making Plug and Hose Nozzle connection ready for water.

2nd—Ladder Drill—Erecting and climbing a 24-ft. ladder.

No. of Company	100-yd. Run with Hose Cart	Ladder Drill	Total Time Both Events	Results
1 Day	Disqualified			0
2 "	1:19:	10:2/5	1:29:2/5	6th
3 "	Disqualified			0
4 "	59:2/5	9:1/5	1. 8:3/5	3rd
5 "	53:	10:2/5	1. 3:2/5	1st
6 Night	1:11:4/5	11:	1:22:4/5	5th
7 "	59:2/5	9:	1. 8:2/5	2nd
8 "	1. :2/5	9:4/5	1:10:2/5	4th

Mr. Richard Davis, Chief.  
Mr. Car Otto, Asst. Chief.

1st Prize—2 Merchandise Certificates to Each Man.

### COMPANY No. 5

Harry Barnum, Captain	Peter Vardalos (Absent)
Leo Engleton	Glenn Fified
C. J. Hoover	Carl Boebel

2nd Prize—1 Merchandise Certificate to Each Man.

### COMPANY No. 7

Oscar Turnell, Captain	Clem Schleptis
Fred Taske	John Puplava
Ben Piasecki	Chas. Miklik

3rd Prize—1 Box Cigars to Company.

### COMPANY No. 4

J. Sterling, Captain	H. A. Alexanderson
C. B. Johnson	Peter Dahm
W. G. Campbell	Geo. Yonke

(The above scores are the results of a recent contest held at Indiana Harbor Works.)





J. d'illy

## I AM THE JOLLY IMP OF THE SHOVEL

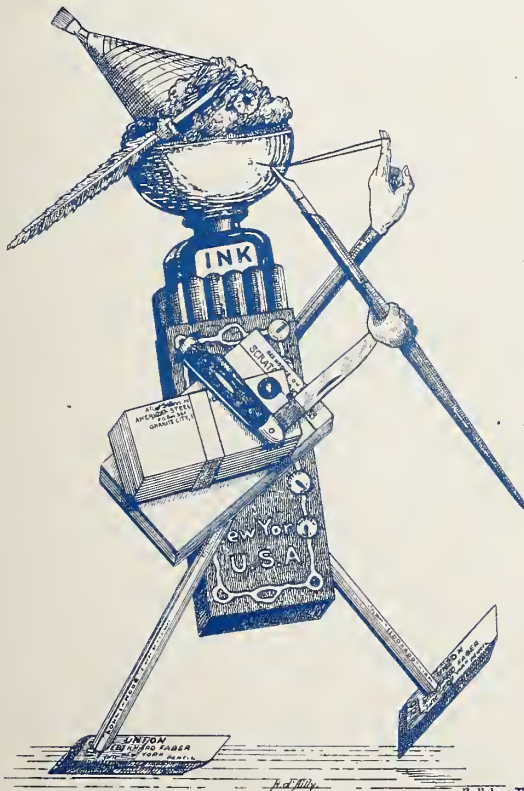
WHEN I GET DOWN TO BUSINESS, I SURE MAKE THINGS FLY. WITH GOOD CARE MY SHOVEL CAN DO A HEAP OF WORK, BUT CARELESSNESS AND NEGLECT WILL SOON END HIS USEFULNESS, SO PLEASE DON'T BE TOO ROUGH WITH HIM.

### OBJECT LESSON

*At our present consumption we will use over 600 "Molders Shovels" a year, at a cost of \$1.67 each, or \$1002.00 for Molders Shovels alone. Make them last!*

The Works Council

Bulletin No. 21.



J. d'illy

It can't be done! — I have been trying to figure out why in the world they call me

## Stationery

Why, there is nothing stationary about me that I know of, for I am always on the go; — I never stay in one place very long at a time. To-day I am in St. Louis or Chicago and to-morrow in Granite City or some other place. And every day somebody comes along and swipes something from me and carries it away. I never know where I will be the next minute, — so why am I "stationery"? Some people say I am stationery just because I am not stationary. — I guess my brain is too spongy to figure out the difference, — Is yours?

### OBJECT LESSON

*In four months of this year we purchased \$375.71 worth of stationery and office supplies, or more than \$9.00 a day, Sundays included. With a little care we should be able to save about \$1000.00 a year on this bill. — Try!*

The Works Council.

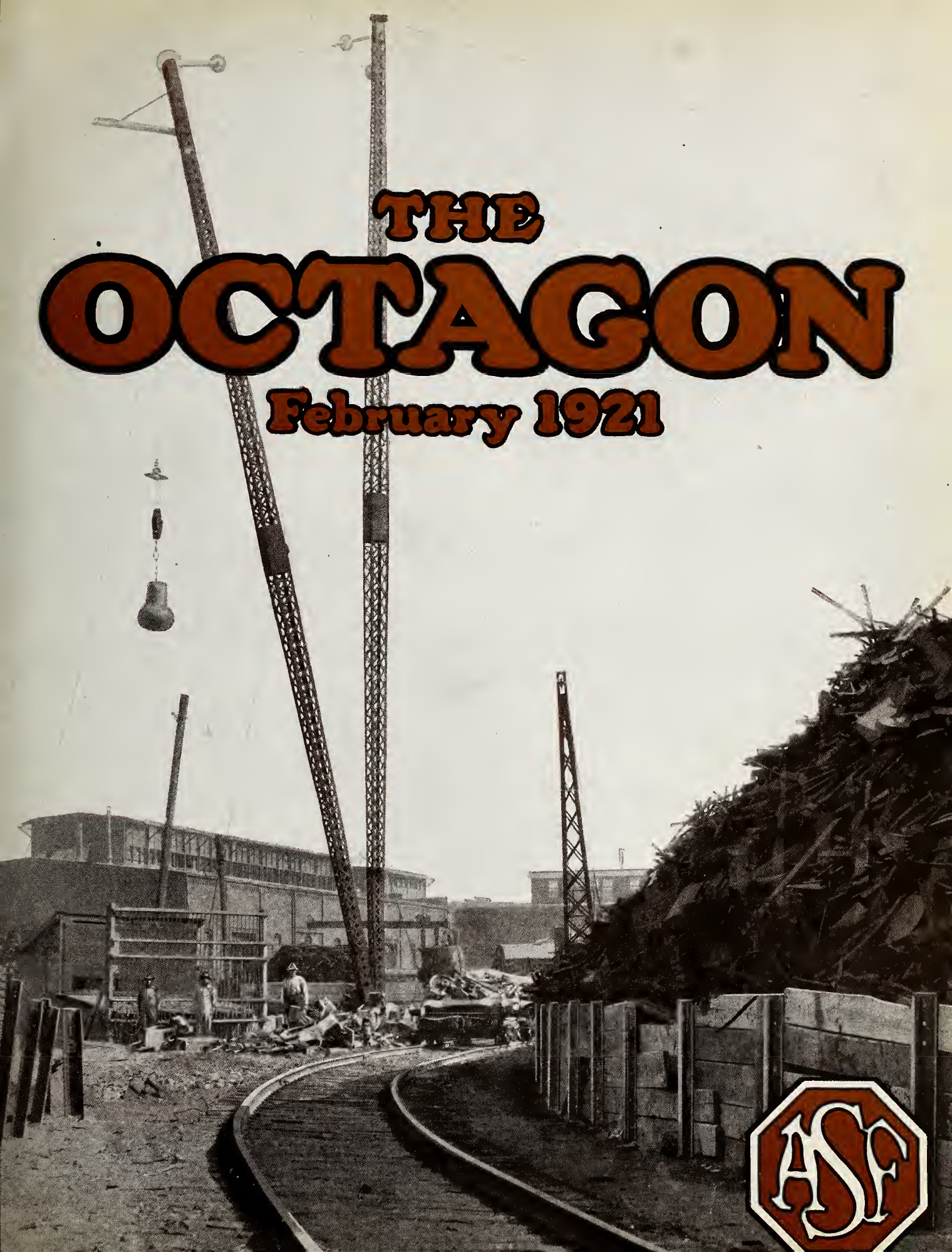
Bulletin No. 22






# THE OCTAGON

February 1921







*The only difference, that I can see, between myself and that old lady, over there, is that she runs around with a big stick in her hand, while I am sporting common, ordinary democratic*

## Wiping Rags


*She seems to think that she is a copper and is chasing something with her big stick,—perhaps her old man,—while I am more like a real scrub-lady, running around with her dirty rags. I wonder how she keeps her stick so new-looking, for it is really a shame the way I wear out and waste my old rags; and they cost lots of money too, now a days,—don't you forget it!*

### Object Lesson:

Wiping Rags cost  $12\frac{1}{2}^c$  per pound. At the present time we are using 1000 lbs. a month, or \$125.00 worth of Wiping rags in a month's time. This seems rather much. If we cut this item in two, we could buy a new suit of cloth each month with what we saved. — Don't let us waste rags; — they cost money!

*The Works Council.*

Bulletin No. 23.



*Well, well, how do you do Miss White Chalk? Are you still teaching school?*

*Oyes, Mr. Lumber Crayon, I guess I will always be a teacher, but several of my brothers are working in the same foundry as you. They say their work is very wearing.*

*Yes Mam, it is, we soon wear out and will waste away if not taken good care of.*

## OBJECT LESSON

In four months of this year we used 514 dozen sticks of white chalk or 6168 pieces, at a cost of one cent each.

We also used in this period 128 dozen yellow steel marking Crayon, at a price of  $94^c$  per dozen, or 1,536 pieces at  $7.8^c$  each, making a total of \$183.02 expended in this period of time for chalk and crayon. Pennies make dollars. When we save chalk and crayon sticks we save pennies & dollars. Don't let us be wasteful!

*The Works Council*

Bulletin No. 24.





VOLUME IV

FEBRUARY, 1921

NUMBER 14

## WASTE HEAT BOILERS

By A. H. LAUER,  
Maintenance Engineer, Sharon Works

THE Department of the Interior, through the Bureau of Mines and the United States Geological Survey, has been kept busy issuing bulletins and technical papers, all striving to point out ways to conserve our fuel supply.

One of the means of conserving fuel supply is the application of steam boilers for the utilization of waste heat in industrial plants.

The Sharon Works has two 333 Horse Power Wickes vertical water tube type boilers, one on the No. 4 Open Hearth Furnace, the other on the No. 5 Open Hearth Furnace, to utilize the waste heat from these furnaces. Each boiler is equipped with a firebox having 42 square feet of grate surface.

This auxiliary equipment was installed to enable the boilers to be operated as coal fired boilers when the Open Hearth Furnace is down

for repairs, this somewhat unusual arrangement being considered desirable because of shortage of boiler capacity at this Plant. Each boiler is equipped with Vulcan soot blowers as it is desirable that the tubes and all heating surfaces be kept clean.

To handle the waste gases from the furnaces through the boilers and to obtain the necessary draft therefor, each boiler was equipped with a Green No. 3 Radial Flow Induced Draft Fan driven by Terry Steam Turbines through reduction gears. The capacity of each fan was 40,000 lbs. of gas per hour with 4-inch suction at a temperature of 500 degrees Fahrenheit.

To get the equipment in proper running condition without interfering with the operation of the Open Hearth Furnaces, each boiler was hand fired for one week; at the end of this period the hand firing was discontinued, the fire boxes

sealed up to prevent any leakage and the waste gases from the furnaces were diverted through the boilers by closing the main slack damper and opening the dampers to the boilers.

It was found that the quantity of gas to be handled from each furnace was greater than estimated from fuel consumption, due to high ratio of air in the waste gases.

After a series of tests the fan on one boiler was replaced by a 70-inch Sturtevant fan driven by a motor and on the other boiler with a No. 6 Green Radial Flow Fan. Each fan has a capacity of 80,000 pounds of gas with 5-inch suction at a temperature of 500 degrees Fahrenheit.

Continuous operation of the Open Hearth furnaces is an absolute essential and any auxiliary equipment must be so designed and installed that this requirement is met and maintained without in any way changing the furnace conditions and practice which obtain when furnaces are operated without waste heat or other auxiliary equipment.

With the larger fans the boilers were run successfully on waste heat without in any way interfering with the proper operation of the Open Hearth furnaces. On test it was found that each boiler developed 150 to 160 Boiler Horsepower, the average temperature of the gases entering the boilers being about 1100 degrees Fahrenheit, and leaving the boilers at about 495 degrees Fahrenheit.

In selecting a boiler to be used with waste heat the following points must be kept in view:

- (1) Free flow of gases through the passages of the boiler with minimum of friction.

- (2) Intimate contact of gases with heat absorbing surfaces.

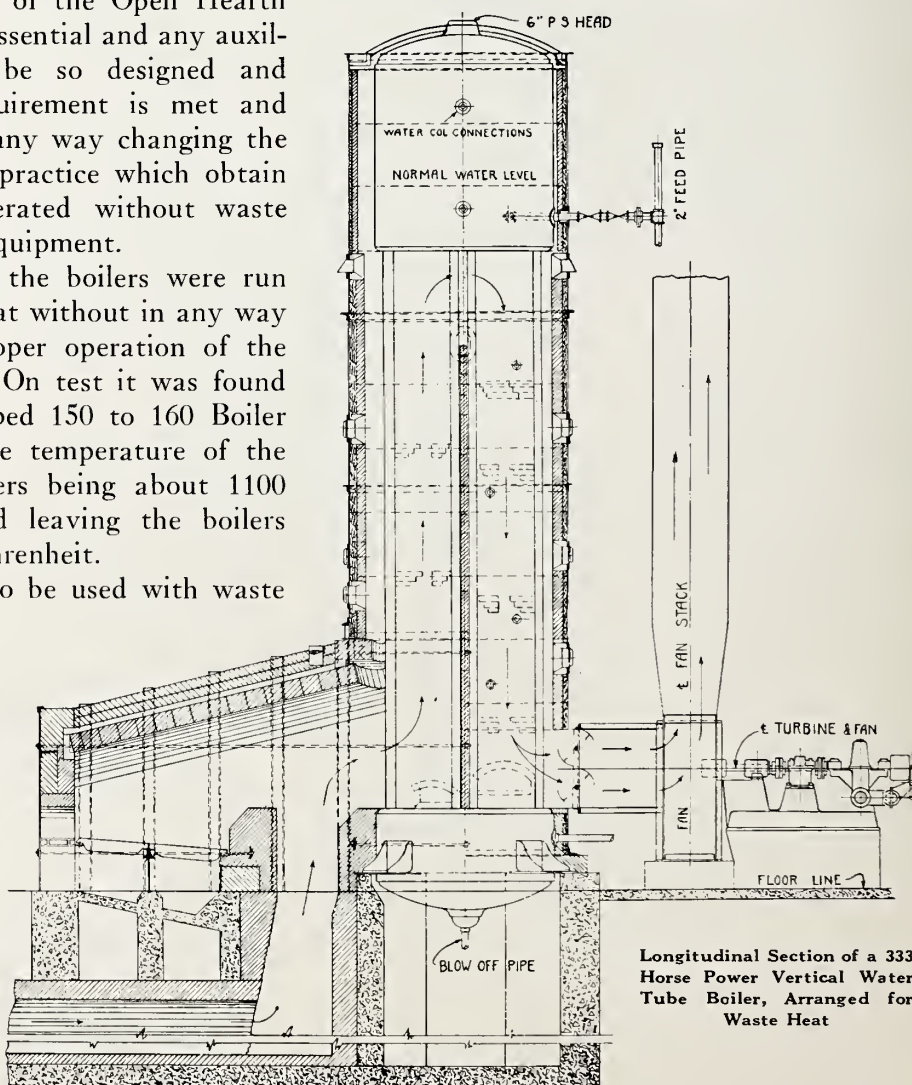
- (3) Passages so arranged that deposits of soot and dust coming over from furnace may be easily removed,

plenty of cleaning doors being provided for this purpose.

- (4) Setting of boiler and connections should be encased in steel to prevent leakage of air through brickwork.

The saving to be obtained from the installation of a waste heat boiler on a 25-ton Open Hearth Furnace, as equipped at Sharon when compared with similar boiler equipment fired with coal and Pennsylvania coal at \$4.50 per ton, as shown from tests at Sharon, is about \$35.00 per day, per unit.

The attendance required is nominal as only a water tender is required on each turn.



**Longitudinal Section of a 333  
Horse Power Vertical Water  
Tube Boiler, Arranged for  
Waste Heat**



# THE SOURCE AND USE OF CARBO

By

C. R. OSLAND,  
Chief Chemist, East St. Louis Works

AS an investigator of all kinds of material brought into the Plant that take a part in the production of steel castings, the Chemist is often asked the question, "What is that material?", and in thinking of a heading for this article it was a temptation not to start out with that question.

It has always been the belief of the writer that all the men working within a manufacturing plant, whether directly concerned or not in the actual production would be more efficient by knowing more of the ins and outs about the business.

Starting with the men who receive the material, the laborers who store it, the men who are sent for it when needed, the more skilled men who actually use it and change it from the original state to the one that is unrecognizable in the finished product, and so on, all through the foundry, as the material passes from one stage to the other until it is ready for shipping to the customer, all would be greatly benefited by having more of a knowledge of the different changes.

Many other materials could have been used as a heading for this page but as "Carbo," or, to be a little more scientific, "Petroleum Coke" seems to be of a more mysterious origin than those with which we are a little more familiar, it was thought the subject would be of some interest.

In order to know more about Carbo, we must study its origin and taking the first half of its scientific name, we find it must be related to the refined products, to which we are indebted for the smoothness with which many of our foundry operations are carried through and which we all recognize as one of the great resources

of this or any other country fortunate enough to possess in this day and generation.

A brief history will give a good idea of the origin of the material in which we are interested. Some things which follow are well known but for the sake of emphasis we repeat them now.

First comes the crude oil, which is the first raw material we get in the oil industry, after a vast effort has been made to drill a well, in some cases hundreds of feet into the earth. This oil, found in widely separated districts, almost from coast to coast in this country, is conveyed by both rail and pipe lines, which are operated by many pumps to keep it moving to a central plant where it is first started on its way to end up as "Carbo." Upon its arrival at the refinery it is first stored in large tanks holding thousands of gallons and from these tanks it is pumped into various stills, as needed.

The following well known products are all related to "Carbo" because of the fact that they are taken out first. The crude oil, through a process of distillation is separated into light and heavy oils, which, in turn, are treated and made to serve their various purposes. After the benzine, gasoline, naphtha, kerosene, fuel oil, cylinder oil, automobile oils, etc., are taken off as the distillation goes on, there remains a residue known as "Petroleum Coke" which now becomes useless to the petroleum industry and becomes an asset and raw material for the steel foundry. In appearance it is as black as coal, very brittle and pitted or honeycombed. An analysis shows a high percentage of carbon which makes it of value for the purpose we use it.

In order to make steel in the Open Hearth process carbon is one of the essential elements

we must have to facilitate the proper working of the heat. It is also one of the elements that goes to make the pig iron and other metals used in varying percentages for making steel, so that by making use of the carbon of petroleum coke, we accomplish a two-fold purpose, one being the conservation of our natural resources by being able to use a smaller percentage of pig iron, and the other, making use of a waste product of an allied industry. Other materials having carbon as a part of their elements have been tried and are being used to replace the needed carbon, but experience has shown the value of petroleum coke.

As the furnace is charged the Carbo in proper amounts is placed in the mixture, the high temperature making it give off the volatile carbon at once, but as this is immediately covered with another portion of the charge the larger part is conserved to perform the purpose of furnishing the needed amount of carbon to the bath. As the heat is melted down the molten metal absorbs a portion of the protected Carbo and melter has accomplished his purpose of making a bath of such composition that he is enabled to refine and make into the best of steel.

In the use of Carbo considerable care is taken toward the elimination of any elements which in any way might affect the quality of the steel and in order that the furnace men might have information as to the presence of such elements in the Carbo, preliminary tests are made on each car for information, particularly with regard to the sulphur content. With the information at hand, the melter may then handle his heats accordingly and be assured of proper grade of steel.

Various methods have been used for the introduction of Carbo into bath such as grinding and making of briquette forms, mixing with pitch and various binders or its use in the form as received from the refineries, but it is found that the method can vary considerably and still obtain the desired results.

The use of Carbo in steel foundries brings about not only a saving in actual dollars and cents but to foundries situated in sections of the country, far removed from pig iron supply, where the cost of transportation is unusually high, it has been a big factor in making their operation economically possible. This is particularly true in the far West where it has been used to a large extent.

## ANALYZING MANUFACTURING COSTS FOR MISCELLANEOUS STEEL CASTING PLANTS

By  
**H. J. FREESE,**  
**Works Auditor, Pittsburgh, Pa.**

(Third Installment)

**T**HE next elemental part of the cost of production to be considered is that designated as *Direct Labor*. This, in turn, is sub-divided according to Main Productive Departments, namely Molding, Core, and Cleaning and Machining.

Each sub-division is considered separately and the causes and effects detailed carefully,

first as to Piece Work and second as to Day Work. Here again the class of work in process of manufacture plays a prominent role.

In detailing the explanatory matter covering the Molding Direct Labor, the analysis can be materially clarified by incorporating a table covering the main patterns molded during the month, and revealing the cost per ton good of



molding each specific pattern in addition to the average cost per ton good by molding divisions, namely, Main Foundry-Dry Sand, Main Foundry-Green Sand, and Snap Flask. By this method there is furnished a bird's-eye view, as it were, of the molding cost for the current month and the average costs per ton good, revealed in table form. The individual influence of the intricate pattern on the aggregate average cost is more graphically contrasted with that of the more desirable type. Further, the causes and effects are more intelligently grasped by the reader and assimilated into his general fund of information.

Similar tables might also be useful and valuable in analyzing the *Direct Labor Costs* of the other two main productive departments. However, every table and each explanatory item must be carefully weighed and considered as to whether the effort required in compilation is justified by the ultimate result, namely, the bringing of the greatest amount of cost data and statistical information to the various executives' attention in its most concise form. In addition to the above mentioned tables and explanations, it is also desirable to incorporate statements for each of the three departments, showing the possible daily earnings of the various employes by departmental occupations for three or four representative days in each month. These tables are compiled in such a manner as to readily reveal the highest earnings first, gradually descending to the employes with the lowest earning capacity. In the dissertation covering *Direct Labor Costs* there is ample opportunity for the analyst to exercise skill and initiative in the presentation of the component parts. In proportion to the ability exercised are the benefits accruing to the executive who studies the completed analysis.

The third division of the cost of production to be explained is that of *Special Charges*, which is further sub-divided into Patterns, Special Machining, and Special Rigging. Under the first caption is considered in detail the cost of making new patterns and repairing

patterns during the month, as compared to the Standard period.

There is much discussion at times between foundrymen as to pattern making. However, one fact is obvious and that is, the utter impossibility of starting production of any given casting without a pattern. Therefore, men may argue this question pro and con, but the pattern goes on forever as the first essential to starting production.

It is most essential to incorporate a statement in the exposition, showing fluctuations in the amounts and percentages of total pattern costs for the month of the principal customers. By this method is readily revealed which customers and which patterns are responsible for the variations upward or downward, within a given period.

Under the second caption, namely, Special Machining, is discussed the cost of machining various castings by outside agencies. Because of the rush of other work and consequent lack of time to meet certain specified deliveries, it is necessary to resort to outside facilities.

The last caption, namely, Special Rigging, covers the cost of any special equipment necessary to produce certain castings.

We have now reached the last component element of the monthly cost, namely, *Overhead*. This is much used, much abused, and much misunderstood. However, the subject of Overhead is one of infinite importance, especially the question of its proper distribution,—and he who finally discovers the best method to apportion the charges comprising the indirect cost over the entire cost will undoubtedly be sought after as a welcome addition to any Accounting Department.

The charges known to the Cost Accountant as Overhead are in plain words the indirect charges which cannot be put specifically upon any one job and must, of necessity, be apportioned over the entire department charges.

The first item, therefore, under the individual departmental overhead charges to be analyzed is the labor cost. All increases or decreases in

cost per unit of production within fixed limits are explained. The explanation is better illustrated by a comparative table which reveals the fluctuations in cost covering the various occupations. But to include such tables, or any set of tables would only serve to detract from the interest of this article.

Where a proportion of the increase or decrease in cost per unit of production is shown to be due to *Rate*, it can indicate only one of the following conditions: If an increase is revealed, either an advance in rate has been granted, or a higher paid employe is performing the work, or a larger number of employes are working on the particular occupation. If a decrease is revealed, the reverse of any of the above three conditions obtains.

Where a proportion of the increase or decrease in cost per unit of production is shown to be due to *Hours*, the causes may be many and diverse. Such a comparison might reveal that the same number of hours were worked in the aggregate during both periods, although a smaller tonnage was produced during the Current Month, which would indicate that the class of work produced during this period was more intricate than that produced during the

Standard and, therefore, required more supervision per unit of production,—or the efficiency of the employe or employes was at a much lower ebb during the Current Month. Many different causes might be presupposed. However, a careful and exhaustive study of actual working conditions and environment can only reveal the absolute facts, which must be written into a cost exposition to make it effective.

In dissecting the costs covering the other three items, namely, *Materials, Stores and Other Charges*, there are many elements to be considered, the first one of which is price per unit of material, i. e., the cost of the material or stores item during the Standard as compared to the cost during the Current Month. Further, the class of work in process of manufacture also has much to do in determining the cost in this respect, as one class of product may require much of a certain material or a given type of stores item, whereas another class of product would require little or none. Further, a change of practice in the shop may have its due effect on the use of materials and stores, ultimately reflected in the costs. Then again inefficiency in consumption may be a contributing cause for increased materials or stores cost and vice versa.



A Side View of the Pittsburgh Works



However, these causes must be found by the analyst. Practical experience alone and a knowledge of working conditions are the best instructors in this respect.

An exceedingly important item coming under the general caption of Overhead is that of Repairs. The repair cost will vary from month to month, at times abnormally, due to local conditions. A break-down in one or more departments may cause an abnormal increase in repair costs for the Current Month or some unusual expenditure during the Standard may cause the costs for the Current Month to seem exceptionally low. Here again, however, the proper analysis of causes and effects is principally a matter of knowledge of conditions with the analyst.

And so the costs are analyzed from beginning to end each month. Had each item been drawn out in detail and exhaustively explained, the result would have been a volume of considerable proportions rather than an article more or less limited in size. Space in the magazine permitted nothing else. Nevertheless, this effort was conceived and produced with the idea in mind that most of those who read it will obtain some advantage from having been introduced to the subject of Cost Accounting in the manner outlined.



The population of Hawaii has increased over 42,000 in the past ten years, according to the latest official report sent out from Honolulu.

It is reported that in the past few years there have been abandoned in the state of Michigan, alone, 18,000 farms. This is apparently due to the lure of the bright lights of metropolitan centers and the inflated wages obtained by industrial workers since the war.

The naked eye is now able to see, by means of a new three-reel motion picture device, what heretofore was impossible unless with a protecting arrangement—boiling or molten steel in an Open Hearth Furnace, heated to 3000°F. The films were originally produced in an Ohio steel mill and will be used for their educational value in technical schools throughout the country.

King Albert, of Belgium, is trying to restore Comacina Island, in Lake Como, Italy, to its former glory as an artists' colony, the reputation for which was brilliantly sustained by cultured citizens of Rome in the Eighth Century.



## What Every Foundry Man Ought to Know

Contributed by  
JOHN MILLER  
Thurlow Works

### AN A. S. F. CHEMICAL LABORATORY

The Chemical Laboratory and its part in the production of steel is often minimized by both the Chemist and the steel man, the idea being that its principal function is to determine the amount of the different elements in the finished product. A knowledge of the finished product, in analysis, is worth while, but it is impossible to control the composition unless the Chemist determines the quality of the raw materials which are charged into the furnace. Each car of scrap and pig iron must be sampled so as to have each sample represent the whole car. The sample must then be drilled, carefully mixed and analyzed to detect the harmful impurities. Several tests are often necessary before securing an average analysis.

In the process of manufacture certain evils arise, which might make the product a very poor grade of

steel. This harmful condition must be taken care of by the addition of certain curative elements, not brought in their pure state but as ferro-alloys. The Melter, through experience, learns what amounts of these elements are necessary, and in calculating he must know the content of the alloy. The Chemist, by careful sampling and analysis is able to furnish this need.

The Laboratory does not limit itself to the Open Hearth alone. It finds work and gives valuable aid by examining the different fuels which come into the Plant. These may be divided into three parts, fuel oil, bituminous and anthracite coal. In the oil it is important to know the gravity, heating value and the sulphur content. High sulphur oil burned in the Open Hearth Furnace has a tendency to produce high sulphur steel. The bituminous or soft coal, when used for producing steam must have the proper number of heating units and should be low in ash content. When the soft coal is used to fire an annealer, it is important to use coal which will burn with the best flame. Anthracite coal which is used to dry molds must be high in fixed carbon content and as low as possible in volatile matter.

The man in the Molding Shop may say that the Laboratory does not aid him in his work and that he does not have to depend upon it. When he does, he forgets that through this agency the amount of binder in the sand which he uses is determined. At times he is interested in the silica content. The work on sand and sand mixtures is not all chemical in nature. Sieve tests are very often required. The test which perhaps means the most to the Molder is the one which actually tests out and determines the best mixture of sand. This is accomplished by molding briquettes, drying them properly and then testing out their strength in pounds per square inch of cross section. The gravity and composition of the mold wash may also interest the careful foundry man.



Mr. Charles R. Applegarth first entered the employ of the American Steel Foundries as a Pattern Maker at the Franklin Works in 1904, and has been connected with the Company ever since. He was appointed a Pattern Checker in 1914, in which

capacity he is employed at the present time. Mr. Applegarth is a native of Franklin, where he is popular and well-known. Besides being an excellent Pattern Maker, he is an amateur musician

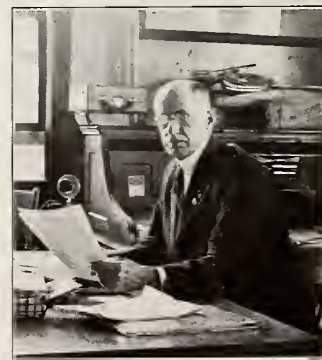


and can handle equally well the Piano and half a dozen string instruments. Mr. Applegarth is unmarried and resides with his mother in Franklin.

Karl Siogus, or "Charlie," as he is better known, has been in the employ of the American Steel Foundries, Pittsburgh Works, for a period of thirteen years, having worked three years as a Chipper and the remainder of this time as a Chainman. Mr. Siogus was born in Komovian, Russian Poland, February 2, 1883, and came to the United States in 1907, where he allied himself with the A. S. F. organization. "Charlie" is married, the father of five children and has recently taken out his first citizen-ship papers.



Mr. Charles G. Kingwill, Superintendent of Orders and Materials, Bolster and Brake Beam Departments, Hammond Works, entered the service of the Simplex Railway Appliance Company, on December 16th, 1898, as a bookkeeper, and has served that Company and its successor, the American Steel Foundries, continuously, entering for a time, the Timekeeping and Stores Departments, and finally, in 1902, assuming charge of the Orders and Materials that enter into the manufacture of Bolsters and Brake Beams.







Vol. IV

February, 1921

No. 14

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employees with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

### ASSOCIATE EDITORS

#### Works

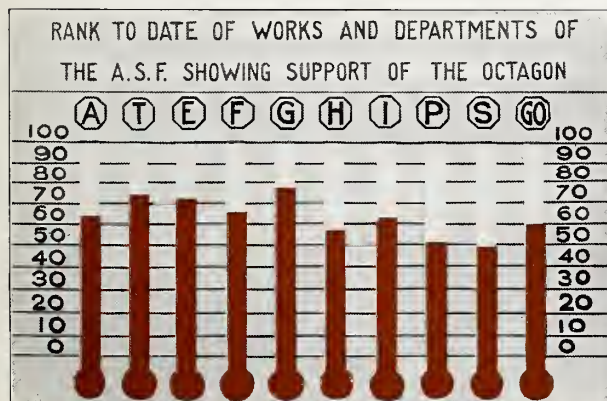
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J. MCCLUSKEY	Hammond
L. F. ENGLETON	Indiana Harbor
J. B. DAVIS	Pittsburgh
A. E. MOSES	Sharon
D. T. STERLING	General Offices

Some of us old timers like to look back and say,—"Those were the happy days," and as our minds wander we come to the time when our school days came to an end and the days of our study and learning were over. There are others among us who quit school, but did not quit studying and learning, but on the contrary they entered their different vocations with a desire for knowledge far greater and more intense than any desire they showed during their school days. What becomes of these students, who wished to gain practical knowledge? If we look around us, we can see them everywhere. They have become foremen, heads of departments, head office men. These are the men who quit school, but did not quit studying. They gained knowledge every day whether they worked with a chisel or a rammer, with a shovel or trowel, a pick or a pencil. The molder who is interested in his work and who desires promotion, is not satisfied to merely mold sand around a pattern into various shapes. He will find out that the sand he is working is a mixture of many ingredients, heat resisting elements combined with binders. Silica sand may be combined with flour, certain clays, dextrine, rosin, oil or molasses. He will find out the difference between dry sand molds and green sand molds and why. Gaining a knowledge of the whys and wherefores, he will take pride in his work, he will try to excel in it and as he goes on, day by day, learning something every day, he eventually becomes an expert. The man starting to work in the Open Hearth is amazed, when for the first time he sees steel flowing from the furnace into the ladle. If he is a student he proceeds to investigate. He gains knowledge from all with whom he comes in contact in that department. He will keep his eyes and ears open to absorb all knowledge that comes his way. He will inquire of the melters, what goes into the furnace to make low carbon steel or high carbon steel. He will learn to read fractures and gauge temperatures. He will find out what is put into the steel to keep it quiet in the molds and when the steel is quiet in the furnace, what will wake it up and cause reaction. When the intelligent young electrician is told for the first time that the moving of a conductor in a magnetic field will cause a current of electricity to flow in that conductor, his interest is aroused and the further statement, that the conductor if properly applied to another machine of the same character will do useful work, will call from him a demand for proof. When a foreman of any department finds a young man of this class, he knows he has secured one who it will pay him to take care of. Every foreman as well as every officer of every company is looking for studious young men. Men who are reliable, trustworthy, and progressive. These are the kind of men who have made our country what it is today, and these are the kind of men who will carry on and make our country still greater tomorrow.

(J. B. Davis, Pittsburgh Works)

That little word "Praise," has made and broken more individuals than we have any idea of. Think of the thousands who have worked and plugged along on an idea and then have some one come along and put a spoke in the wheel by saying "That looks about as sensible as trying to drink the Atlantic dry." Ten hundred out of every one thousand would say, "I quit." But let this same man come along and say, "That looks as if a lot of good thought had been put into the matter, and it ought to work." Put yourself into this position and what a difference would these statements make? We will admit that there are some individuals whom praise never affects. These men have to be forced, no matter what circumstances come up. All men cannot be handled the same, but the great majority can be moved to greater efforts by the word of praise rather than by the rod. It does not pay to discourage a man by not paying attention to him. No matter how stupid or how intelligent a man may be, he wants someone to notice him. If he is doing good work, he wants to be told so, and if he is doing poor work, he wants help to put him on the right track. Too many executives take things for granted that because their men are turning out work, that they are satisfied and do not need a pat on the back. This is all wrong, because even the executive likes to be told by the man higher up that his organization is doing good work.

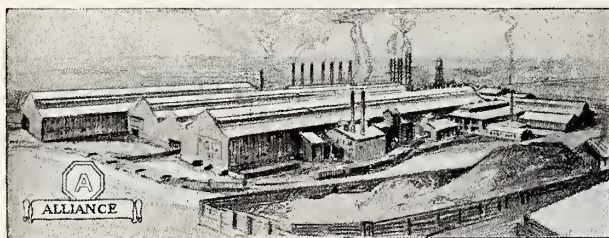
(C. B. Alexander, Alliance)



From the inception of The Octagon to February 1st



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Jack McCarty, of the Pattern Department, is the proud father of a six-pound baby boy. James Trump, also of the Pattern Department, was visited by the stork just recently. It left a seven and a quarter-pound girl. As a result of the above, the boys in the Pattern Department are smoking good cigars.

R. Polinori—"Black Joe" is now seen back in the Chipping Room after a two years' visit with his wife and friends in Visso, Italy. Before leaving for Italy, "Black Joe" had a record of 10 years' continuous service with this works. He was accompanied back to this country by his friend Polverini Pierini of Prigio, Italy, who also is working in the Chipping Room.

Mr. J. C. Harry of the Store Room force, has lately branched out in another line, this time, Real Estate. He has quite a nice proposition under way. Several of the boys, having holdings to the amount of 50c are anxious to see the land they are interested in, but to date have been unsuccessful. It appears, according to Jess, that they haven't got it all bailed out yet?

The class, composed of those members of the Goompf Club who cannot dance, was formed some time ago with Mr. and Mrs. Elmer Greenawalt as instructors. (Mr. Greenawalt is a Draftsman in our Coupler Engineering Department.) In order that the dancers could express their appreciation for the help given them by the instructors, a beautiful rocking chair was purchased and presented to them at the final dancing lesson. Mr. H. B. Joseph made the presentation speech, which made those present feel that the dancing class had been a success and should be continued. The dancing class also wishes to express their thanks to Mrs. H. Graybill, who furnished the music at the weekly dances.

Bernard Judge, of the Inspection Department, not to be outdone by his fellow-workers in the Pattern Department, announces the arrival of an eleven-pound baby boy.

Mr. John Gault, formerly connected with our Time Office, has returned to the fold again. Johnny left us some five or six months ago to become a "cowpuncher" on the ranch of Ed. Dempewolf, at La-Salle, Colo. He is glad to be back again where all is peaceful and calm.

G. W. Weikart, of the Pattern Tool Room, visited for a few weeks friends in the West.



Lester D. Cox, Billing Clerk  
at Alliance, three  
years' service



Mr. H. B. Jackson, formerly employed in a pottery at East Liverpool, Ohio, will be found in the Core Room acting in the capacity as Labor Foreman.

The following are the names of those recently appointed by Mr. Chas. Shaffer, Pres., Goompf Club, to serve on the Entertainment Committee of that club: Geo. Funkhouser, Chairman; H. P. Rosenberg, Elmer Joliet, Julius Sloan, Major Chas. Hole and last, but not least, our "little" Harry B. Joseph. These gentlemen we believe cannot be beaten. To Messrs. Wells, Ringler and Taylor the members of the Goompf Club wish to express their appreciation for the efforts put forth by them while serving as members of the Entertainment Committee.

Mr. P. E. Consor, formerly of the Pattern Shop Office, has been putting in some goodicks at the Store Room Office.

The Yearly Inventory completed, the Store Room force is gradually getting back to normal, in both action and feeling.

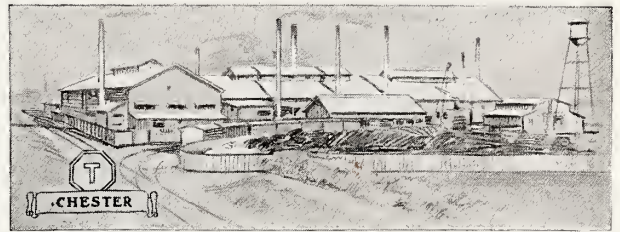
On a recent hunting trip, Chas. Shaffer, our Assistant Works Manager, says that he saw three snakes crawling around on the ground. As this is a little out of the ordinary to see snakes at that time of the year, we wonder ———?

To Mr. H. E. Wheeler, we give the lucky medal. It was this way: He was returning from business with the Alliance Machine Co. of this place, and to do so it was necessary to cross double tracks located just north of that company. At the time a freight train was broken at the crossing on the south track, and an auto truck had just come to a stop on the other side. Not paying particular notice to the stopping of the truck and not thinking of the approaching of any train on the north track he crossed. The first thing he knew he was brought back to life by the approach of a passenger train on the north track. It was so close that he had to step on the "gas" and make a quick turn to the left of the road which land him "kerplunk" against the truck just as the passenger train took a swipe at the back end of his machine. It was a very close call. His car was damaged to the extent of a broken wheel and axle.

Warren Cullen has been transferred from the Time Office to Piece Work Checker in the Cleaning & Finishing Department.

The Goompf Club Orchestra made their first appearance in public at the dancing class of the Goompf Club. The orchestra is composed of James Temple, their worthy leader, violin; Harold Rosenberg, piano; Arthur E. Stevens, cornet; Peter Grim, saxophone; and Sidney Wise officiates at the drums. The following day much praise was heard from those who were in attendance of the splendid music that was furnished.

Mr. Caslin, in charge of Heat Treatments at the Granite City Works, spent a few days recently in our Annealing Department.



**Chester**

There was a general exodus of Thurlow Works members to their respective homes over the Christmas and New Year Holidays. In fact, so much travel was indulged in, too much space would be required in this issue to make individual mention of these travelers.

Bill Woolley, Shipping Clerk, is the happy father of a bouncing baby girl. This makes Bill's seventh child and we all congratulate him on his good luck. George Hodgson, Inspector in the C. & M., was also visited by the stork lately. This is George's first and he is going around with his chest out farther than Bill Woolley's. He has to go some to beat Bill.

Fred Larkin, Pattern Maker, had the misfortune recently to have his wrist badly fractured in a motorcycle accident on Penny Hill near Wilmington.

John Buckman, Pattern Maker, is very reticent about his trip during the Xmas Holidays to Hanover, Pa. We understand that Slim undertook this journey for the purpose of visiting the future Mrs. Buckman.

Harry Van Riper, No. 2 Foundry Molder, had one of the most beautiful Xmas trees and most interesting yard under same in this City.

Howard Barrowclough, No. 2 Foundry Molder, has returned to work after being off for some time.





Company Trucks at East St. Louis. Left to right: W. Schlensker, Truck Foreman, A. Fuller, E. Woods, W. Dees



Alfred Emory, chauffeur on "The Grey Mule" at Granite C



Left to right: John Holmes, Melter, two years' service; Joe Whalen, Second Helper, one year; Elmer Shirley, Overhead Craneman, six years; Geo. Padolk, First Helper, two years; Joe Johnes, Ladleman, five years, Open-Hearth Department, Pittsburgh Works



Thurlow Girls: Standing, Miss Gertrude Whittle, Le Barnes, Julia Callahan, Katherine Hodgson, Mrs. Daniel Jackson, Miss Ruth McGirk, Mrs. L. B. Dunnigan, M. Edith Downs, Mrs. Joseph McCarthy. Second row: M. Elizabeth Mulligan, Margaret McClay, Margaret Whitt Ruth Sullivan, and Mrs. Margaret Gallagher

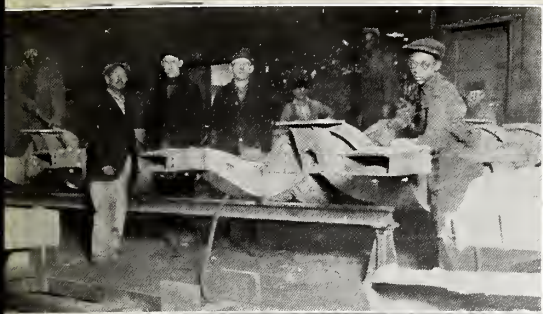


Back Row: Janas Csoma, First Helper, fifteen years' service; Peter Gadney, First Helper, thirteen years; Ernesto Quarta, First Helper, thirteen years; James Stubbs, First Helper, five years; Ignasz Halena, Second Helper, four years; Martin Meustri, Second Helper, five years; Joseph Molnar, Second Helper, six years. Front Row: Dominic Lorenzo, Third Helper, six years; Agusto Rinaldo, Third Helper, three years; Jos. Reed, Third Helper, two years, and Geo. Renhaw, Third Helper, two years. Open-Hearth Department at Alliance



Harry E. Long, Assistant General Foundry Foreman, four teen years' service at Sharon





Cleaning double body bolsters at East St. Louis, left to right: C. E. Williams, twelve years' service; C. Hudson, three years; H. Simmons, five years; E. Holdinghaus, Inspector, three years; Hy. Burg, Inspector, fifteen years; L. Hurst, five years; W. Burton; W. Hudson, three years; J. Kondrocki, ten years



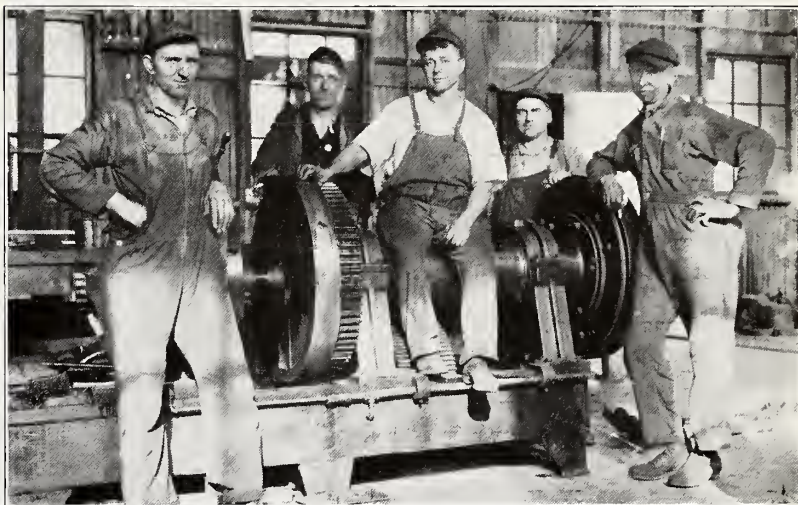
Oldest Employees at Franklin. Top row: H. L. Leyda, Paul Derringer, C. W. Allison. Second row: B. K. Kams, D. C. Reinhart, C. H. Richardson, P. R. George. Third row: F. H. Mason, W. T. Cribbs, Don Plummer, L. E. Reese. Standing: P. P. Allen, and Josephine Miller



Martin Rintz, General Foundry Foreman, and Robt. Unks, Molding Foreman. Indiana Harbor Works



Cleaning a charging car body at Indiana Harbor: B. Mariano, A. Upshaw, and J. Kavera, Assistant Foreman



Pipe Shop Group at Hammond. Left to right: Jos. Litzan, Pipe Fitter Helper, six months' service; R. C. Ryan, Pipe Fitter Helper, eight months; J. Leonhard, Pipe Fitter, one year; M. Rismiller, Pipe Fitter, one year; J. Sprodlin, Pipe Fitter, six months



Open-Hearth Department at Granite City. Top row: Walter Pinnel, Second Helper; Hugh Clark, First Helper; George Wickman, Second Helper; Walter O'Haver, First Helper; Joe Brannon, Third Helper; Clarence Wilson, Third Helper. Center: "Cyclone" Ragan, First Helper; Vallee Crabtree, First Helper. Bottom: Heine Bach, Laborer; Ralph (Darby) Jones, Furnace Clerk; William (Deacon) Howell, Second Helper; Charles Hadfield, Third Helper; Charles Bowen, Charging Car Operator; Joe Gieselmann, Third Helper



There is much merrymaking in the Foundry these days for they have at last been able to defeat the Repair Shop in a basket ball game. The Repairmen, however, claim they won on a fluke and will show them up at the next game. Just a little tip, Gordon. The Repairmen are getting on their toes for the Shop Night at the Y when they play the boss' team. They need lots of practice, for you all remember last year's game.

Byron Sutherland, Electrician, has again returned to this Works and is employed in the Repair Department.

Max. J. Schreiner, who worked formerly in the Pattern Shop at Thurlow, is remembering his friends with presents and post cards from Rock Island, Illinois.

David Stone, formerly Core Department Clerk, who left this Plant to take a position with the Chester Steel, has returned to Thurlow once again and is now Pattern Department Clerk.

Thomas Hogan, Chipper in No. 1 C. & M., is confined to his home on account of sickness.

Robert Taylor, Saw Operator in No. 2 C. & M., at this writing is planning to undergo an operation at the Chester Hospital in the near future for the purpose of removing a cataract from his eye.

The Repair Department claims the honor of having the tallest, smallest and contrariest men in the A. S. F. Plants. Buck Cooper is the tallest, 6'5"; Howard Kelley is the smallest, 4'2"; and Victor A. F. J. A. Dinkelman is the contrariest. In this connection it might be of interest to the readers of THE OCTAGON to know that Buck has challenged Kelley to a five-round bout in the A. A. for any noon. So far, Kelley hasn't answered.



Thurlow's Mutt and Jeff—Howard Kelley, Armature Winder and Charles Cooper, Rigger

David Burns, No. 1 Foundry Molder, is the happy father of a baby daughter.

Elwood Bigger, No. 1 C. & M. Saw Operator, has returned to his work after being off with a slight illness.

John Butler, Chief Inspector, has already begun to write for catalogs of Fishing Equipment and Rules and Regulations for Catching Fish. John should surely have plenty of success this Season, for from all accounts he has enough catalogs at the present time to start in the Fish Business.

Wm. J. Brown, Asst. to Works Manager, whose little boy has been very sick with pneumonia lately, states that the little chap is improving slowly.

James Knight, employed on the Bumper in No. 2 Foundry, and his wife visited their home in Lynchburg, Va.

At the last Meeting of the Foremen's Association, which was largely attended, Officers for the ensuing year were elected, as follows: Wm. J. Brown, Asst. to Works Manager, President; John Farmer, No. 2 C. & M. Foreman, Vice President; D. B. Grady, Order Clerk, Secretary; G. MacDonald, Employment Agent, Treasurer.

The retiring officers expressed their appreciation of the co-operation that had been given them during their term of office in short speeches.

One of the features of the evening was a speech by Wm. Foster, Open Hearth Foreman. Many of the boys did not appreciate Bill's ability as an After Dinner Speaker until this occasion but he surely made a hit with them at this time.



East St. Louis

The cold weather has surely worked a hardship on the Pipe Gang on account of so much exposed piping, but there is no colder place than a foundry or rolling mill during the winter months.

Our worthy Assistant Pipe Fitter Foreman, J. Coppey, left us to our regret. We understand he is going into the Auto Repair business down in Texas. We wish you success.



We are unable to ascertain just why Jim Evans is wearing a million dollar smile every time we meet him. It is possible, however, he has discovered a new formula for concocting a new brand of root beer or the whereabouts of a hooch foundry, or it is possible he may be a proud father, or able to make the engine hit on four out of six at one time, anyway we pass and will turn it over to our Intelligence Bureau to wise us up.

The photograph of Motor Trucks, as shown on the center page of this issue, was taken just after this fleet had received their new coat of battleship gray. Mr. Greve can justly be proud of his charges, while Mr. Wm. Schlensker is also to be commended for the excellent condition in which they are kept and the fine service accorded to this Works by them.

There was a secret ballot taken recently among the members of the Inspection Department to find how the department stood on the abolishment of the 18th amendment. Poor old 18th amendment, who put you in force anyway?

Quite a representation of the East St. Louis Works attended the Minstrel Show given by the Works Council of the Granite City Works at Granite City. To say that the show was a success is putting it mildly. Since the entire cast was purely amateur talent, the work they did was remarkable and reminded us of the good old days of Primrose and Dockstader. We still maintain that the Granite City Works has it on all the Works when it comes to entertaining.

Shorty Owens, Electric Shop Machinist, is having a good laugh on Ed. Doyle, Electrician. Shorty saw Ed come to the check room at the Social Club Dance, with his "Lady Friend," and was carrying a bundle. After checking wraps, Ed continued to hold on to bundle. Shorty, thinking it was one of those good liquid bundles, followed Ed, who was beating it for the basement with Shorty doing the Hawkshaw after him. After falling over everything but a Crane, Shorty found Ed in a corner changing shoes. Shorty asked Ed if he had his pumps with him. Ed said "Pumps, like —, I slipped once before on one of these slick floors, and to make this a safety first dance, I brought my Army Hob Nails along.

Mr. Jack Traxler, Melter on the Open Hearth, surprised his men with cigars, Christmas. Thanks for the smokes, Jack.

The Carpenter Shop has been ablaze with gay flags and bunting to welcome back their old pal, Tom Drummond, late of the East St. Louis Fire Dept. Tom had an enviable record as a fire fighter, but as he puts it, it was too lazy a job for such a hustler as he, and he was lonesome for his old pals. Welcome Tom! The skylights are in need of repair and to keep you from getting lonesome, you get the job.



Miss G. A. Buxton, General Clerk, two years' service at East St. Louis

"Hail! Hail! The gang's all here, so what the—" and the first course is a merry tinkle of glasses, a soft washy sound as of gentle wavelets lapping the shore, as the "aqua viva" that wavelets are made of finds its way past unaccustomed lips. "Aquatic Cocktails," some—in the face of so dear a subject. Presently the pianist begins a syncopated melody. Spirits rise, faces brighten, tongues loosen, and from then on everything is merry.

Everything is certain to be merry when such a gathering of men get together as were present at the last meeting and entertainment of the Foremen, Assistant Foremen, and Accounting Department of the East St. Louis Works, Thursday evening, Dec. 30th at the Elk's Club. Then too, much enjoyment was added to the evening through the presence of several guests in the persons of Mr. Geo. Hanlan of the Western Fire Brick Company, Mr. A. Walcher and Mr. W. A. Janssen of Chicago Office, and Mr. E. Walcher of Granite City Works. Dr. L. G. Harney was Toast Master for the occasion and in his opening remarks dwelt upon the desirability of forming a permanent organization having for its aim recreation and the furtherance of Good Fellowship among the Foremen and Assistant Foremen of the Plant. Later this was put into the form of a motion which carried unanimously, as did a motion to the effect that the organization hold a meeting at least once a month. The details of the organization were to be worked out by the then existing committee composed of Mr. C. Walcher, Superintendent, and Mr. O. E. Mount, Works Auditor at this works.

Too much credit cannot be accorded the committee for the high class entertainment and dinner arranged by them; although we do believe that Martin Reis, our Metal Pattern Foreman, comes



under the head of entertainment (as has been related before in the columns of THE OCTAGON, our Martin is some vamp). The dinner would have delighted the palate of the most exacting of epicures. The entertainment—well, it delighted everyone present and then some. Singing and dancing, fisticuffs and magic, quips and counter quips, speeches and part speeches, stories and jokes.

During the course of the dinner the chairman requested speeches of each of the visitors and many of the organization. Each speaker was warm in his commendation of the object of the organization and expressed hope for its permanency. Mr. Janssen delivered a very interesting discourse on harmony. At one point, Mr. Janssen became rather lofty in his use of English and even worked in a word or two of foreign origin which altogether disproved Dr. Harney's denunciation of him as a "poor speaker." Mr. E. Walcher expressed his interest in the doings of things at East St. Louis Works but seemed disinclined to believe that they could reach a par with late events which transpired at Granite City, whereupon Mr. C. Walcher extended to him an invitation to attend all of our affairs that he might himself sit in judgment and be convinced. Mr. A. Walcher, Assistant Fourth Vice-President, made a few remarks in regard to the present readjustment period that the country is experiencing, and to sit tight until this condition had righted itself. In conclusion he expressed a warm personal interest in the organization.

Toward the end of the evening, a fast four round boxing exhibition was staged, the principals being Kid Regan and Blackie Dundee of St. Louis. The seconds of both were quite an innovation in the boxing game for who couldn't fight like a wild cat with a bright fairy to fan your burning face and pet you at the end of each round?

Following the boxing match Mr. H. C. Corriea and several other of our department heads were called upon to address the gathering. The extreme lengthiness of their orations was the only drawback to complete enjoyment by the orators. The meeting adjourned at 10:50 p. m. after a very entertaining display of Oriental Mysticism by the renowned Prof. Strong, and his very able assistant, one "Shorty" Curran, and everyone expressed a wish that the next meeting convene at an early date.

Mr. J. L. Warhover entertained us at noon recently with a harrowing word picture of life in a coal mine, a life which Mr. Warhover endured for quite a number of years. I think all of his hearers will be well content to remain in the comparative safety of a steel foundry after listening to his adventures.

Mr. R. V. Hopkins, recently of Tulsa, Okla., has joined forces with us in the capacity of Assistant Foreman of the Yoke Division of the C. & M. Department. We extend Mr. Hopkins our best wishes and pledge him co-operation in his new undertaking.



## Franklin

Joe Wagner, our Works Auditor, participates in a double celebration each Xmas day, this day being the birthday of Joe Wagner, the Second, who was born on December 25, 1917. Little Joe is apparently a chip off the "old block," but refuses to sleep at the same time his Daddy is endeavoring to take a few winks.

The members of this Works regret very much the distressing accident which befell Mr. P. P. Allen and his wife recently.

It is with a feeling of regret that we say "good-bye" to Walter Anderson, who was transferred to this Works during the early part of 1920 from Indiana Harbor Works as Chief Inspector. In returning to Indiana Harbor Works, Walt leaves behind him a host of friends, who remember with pleasure the good times we all had together, and hope that it will be possible to re-live these good times at a later date.

Cal McCurdy, our Yard Foreman had shown us something which we had thought lost long ago. This "something" is the ground level between the columns of the Yard Crane Run-way, which was brought to view after our accumulations of scrap and pig iron had been transferred to our other works. If any of the other A. S. F. Plants desire the services of a good "clean-up" man, they should communicate with Cal.

Dave Lewis and Cy Weston, General Foundry Foreman and Assistant Foundry Foreman, respectively, have decided to apply their efforts in cutting "mine props."



H. A. Gigandet, Gen. C. M. & A. Foreman, eighteen years' service, Franklin



G. A. (Spooks) Wilt, our ambitious Special Apprentice who is working on the third year of his course, and Bob Satterwhite, our new recruit in this calling have both been transferred to Alliance Works, where they will continue their course of instruction. Inasmuch as these fellows are both "war babies" and full of pep, Alliance will have to treat them rough and keep them busy, so they won't get homesick.

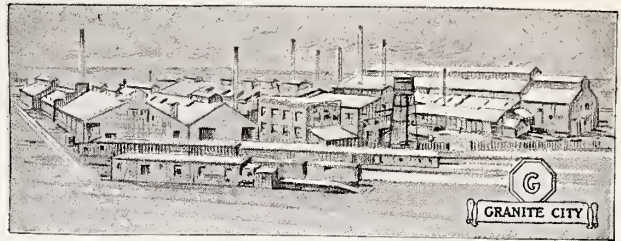
City wide sorrow has been caused by the death of S. C. Shaffer, who became ill before this works closed down. Sam was employed in our Pattern Shop on heavy matchboard work. He was well liked by all who came in contact with him. The company's representatives at the funeral were: C. W. Allison, Pattern Shop Foreman, and S. A. Moore, whose work was along the same line and in conjunction with that done by Mr. Shaffer.

Doc Cribbs has inherited his (pre-operating position of Fireman) in the Boiler Room. In addition to satisfying the appetite of No. 1 Boiler for slack coal, Doc occasionally gives the boiler a good cleaning out, to keep its temperature up to normal.

In spite of mixed weather conditions, Dud Warner, Plant Engineer, continues to drive his "Lizzie" to work each day. Although it was in the Ark with Noah, this little old Ford continues to ramble right along. (Due to the physical condition of this "Lizzie" we are advised that "Dud" will not issue a time schedule for the year 1921.)

Ack O'Neil has been transferred to our Pittsburgh Works as assistant to Andy Stephenson, who is at the present time engaged in perfecting the new Production System at that works.

We suggest that Peter George should place an identification tag on the car he usually rides home in, otherwise he may get in the wrong car.



## Granite City

Two evenings went down in the history of Granite City Works as "red letter" dates when that Minstrel de Luxe as presented by the A. S. F. Works Council, was staged at the Rialto Theatre. It was an unqualified success. H. F. Fechte, was the Interlocutor, and the End Men, Bob Sonquist, Harry Mecartney, "Doc" Diefenbach and Lee Kirkpatrick, assisted by fifteen others and the A. S. F. Orchestra. Eleven musical numbers were given, the Opening Medley and Finale by the entire company, with individual vocal stunts interspersed, referred to in particular in this column. Then came a Monologue, a Burlesque, and a play "The Coontown Thirteen Club."

## NOTES

Mr. Antonio Rodriquez, the Foundry Sand Mill Helper, is without doubt one of the best singers ever heard in amateur productions in this district. He is a Mexican by birth; speaks several languages but his lack of English has handicapped him somewhat in obtaining the rapid advancement which his knowledge in other lines deserves—and we watch with interest the rapid strides he is making toward mastering our language. His rendition of the beautiful ballad "Out Where the West Begins" was the hit of the Minstrel Show.

Mr. Davie Davis, of the Molding Department, put lots of pep into the minstrel chorus by the excellent rendition of Al Jolson's famous song "Avalon." As the first soloist of the evening he struck the key note in the production and set a pace for the other soloists in "real class," which was ably maintained by all throughout the entire show.

Mr. Ellis Turner's rendition of "Swanee" was particularly pleasing.

Mr. Lee Kirkpatrick, Pattern Maker, and End Man with twenty-three years professional experience, certainly never made a bigger hit in his entire career than he did at the Rialto Theatre in our Minstrel



Show. "Shine on, You Bright Stars" and the "Poem to Pickles" brought down the house. In his character as Mr. Harold Sauerwald Innbad in the after piece caused so much laughter that it was necessary at times for the rest of the actors to repeat their lines so that they could be heard above the laughter.

The versatility of Mr. Bob Matthews' excellent singing ability was shown very prominently when he sang "Sweetheart Blues." Mr. Matthews' rendition of this beautiful selection was particularly pleasing.

"Alabama Moon" was beautifully sung by Mr. Carl Graf, Order Clerk. Mr. Graf has had considerable experience in chorus work with the Liedercranz Society of Saint Louis.



Molding Department at Granite City.—Sitting, Mr. W. Collignon, ten years' service; C. E. Duncan, fourteen years; Ed Earney, ten years. Standing: I. E. Watson, eighteen years' service (now at East St. Louis); J. C. Reinagee, eighteen years; Hy. Ballett, twenty years; S. Buchek, ten years; J. Hoffman, twenty years; Robt. Kramer, nine years

Mr. Fred Butler sang "Desert Dreams" with a fullness of tone that put this song "over" in a very pleasing and satisfactory manner.

Bob Sonquist with his mirth provoking antics brought the house down when he sang "I Gave Her That." Mr. Sonquist is without doubt the biggest "discovery" of the year for many of our readers would never take him to be the excellent portrayer of southern dialect that he is. As a premier End Man and in the character of Mr. E. Worthington Walcher Butts, President of the Thirteen Club, Mr. Sonquist showed "professional class."

"Save a little Dram fo' me" could not have been better rendered by old negro parson Johnson him-

self, than it was by End Man Doc Diefenbach, "Doc."

Harry Mecartney as left premier End Man with his jazz banjo, sang "At the Chocolate Bon Bon Ball" and certainly put pep and jazz into this lively tune. Mr. Robert Kramer, Foundry Clerk, attempted to sand-bag Ernest Harpole, Process Inspector, but Ernie got wind of it in some manner and placed tacks in his cap so that when Bob struck him on the head with the sand bag, it was punctured and did not do much harm.

The bright snappy musical selections, which were rendered by the chorus and soloists in the Minstrel Show were selected by Mr. and Mrs. H. J. Fechte. Too much credit cannot be given to both Mr. and Mrs. Fechte for their splendid work. Both have had considerable experience in producing amateur theatricals and the success of the production, under their able direction, was assured right from the start of rehearsals.

In order to create more incentive toward making a high score, the members of the Yard Department Bowling Team have made a rule that each pin left standing after the first ball rolled in each frame costs the bowler one cent. L. L. Sharrock, Department Clerk, is Secretary and keeps an accurate record and collects all money due him. At the end of the season the members of the team plan to have an outing or picnic, the expense to be covered by the money derived from the above plan.

A demonstration was given a short time ago by some very clever members of the Store Room, on how to convert burnt out electric globes into fire extinguishers as follows: Insert the globe in a bucket of water, then knock off the top of the globe and allow enough water to fill the same without allowing any outside air to enter. If this is done according to directions the globe can be withdrawn from the bucket of water and hung up by the brass base without the water emerging from the hole. In case of fire the heat cracks the glass and discharges the water onto the flame. Patents for this extinguisher are being applied for by Mr. H. J. Kuhlmann, Night Weighmaster.

Ed Reagon, of the Electrical Department, was absent for a number of weeks due to illness.

The Store Room Clerk has a lot to contend with at times. For instance, Shorty Winters, Night



Foreman of the C. & M. Department, and A. H. Robertson, of the Yard Department, have entered the field of "simplified spellers." Shorty makes out requisitions for flask batteries, instead of Flash Light Batteries; while "Happy" has revised the dictionary spelling "Watt" "Wyatt."

Mr. E. Walcher, Works Manager, accompanied by a number of our experienced hunters, recently went on a coon hunt, but returned without packing any game. It is reported that they made several stops at country Grocery Stores and were unable to purchase any.

Mr. Fred Gasway, Janitor in the Locker Building, has given up smoking Red Dot cigars; the price of cabbage is getting too high for Fred.

It is a good thing that they don't serve turkey every day in our Plant Dining Room, for if they did there would be a great number of us taking anti-fat. Recently Messrs. C. A. Schultz, Supply Agent, Bud May, Process Inspector and Oliver Kuhlmann, Yard Foreman and Ernest Robertson, Yardmaster, pinned back their ears and went after a big turkey dinner in great style. Each claims that the other must have worked on a canal barge at some time during their lives, for when someone said "pass," they all ducked their heads.

Mr. Phillips, our Engineer in the Power House, takes great pride in keeping the Engine Room in first class condition. Even our famous Minstrel Interlocutor, Henry Fechte, could enter it attired in his immaculately white costume and never be able to detect a speck of dirt on his wearing apparel when he is ready to leave Mr. Phillips' spotless domain.

The Day Nurse and the Night Nurse at this Plant have agreed to change shifts. Miss Hefton and Miss Wilmath are very popular with our employees.



Ed. Miles, Chainman, eight years' service at Granite City. J. Kanopka and Geo. Zesoff, Rammers, nine years' and five years' service, respectively, at Granite City Works

Mr. John Wallace, Extra Locomotive Engineer in the Yard Department, has passed out splendid Perfectos to his many friends. "It's a Boy," this time. John now has three boys and two girls.

At the December meeting of the Works Council Messrs. W. G. Colson, Lon May and W. P. Anson were appointed Management Representatives on the Works Council in place of Messrs. J. A. Wright, A. B. Fisher and Frank May.

Messrs. Frank May, General Supt. Foundry and Core, W. J. Langenback, General Core Foreman and Horace Earney, of the Foundry, went hunting for a few days during December in the vicinity of Cuba, Missouri. They had fairly good luck, getting all the game that they desired and reported that they had better luck with the eats.



## Hammond

Did every one at the Simplex see that note from our able Contributing Editor? We would compare that general raking over the coals with what we imagine Satan gives his co-workers. Let us put our shoulder to the wheel to show her we are not dead timber.

Mr. Ralph Spencer, Yardmaster, has resigned after years of service. He expects to visit his daughter in California.

When Indiana Harbor and East St. Louis get through scrapping about those pies, we would like to put in a bid that John Stamm and Uncle John Barge be put on a Committee of two as Judges. They are connoisseurs of this delicacy and strictly unbiased in their opinions.

We understand, it was with deep regret the "poker gang" bid Ed Medlar good-bye. Six months before another clean-up, boys.

There is sure enuff dough around the Simplex these days with Joe Doe and his brother Theodore as members of the Accounting Department.

# THE OCTAGON

Mr. Ray Shortsleeve, Foreman in the Coil Department of the Spring Department, was forced to leave home owing to illness in his family.

The Accounting Department has an International time keeping clock installed to regulate the clocks in the Timekeeping Office.

Mr. J. S. Mulligan has been appointed Yardmaster, taking the place of Ralph Spencer who resigned.

Mrs. Thomas Shea passed away Dec. 18th. She was the wife of Mr. Tom Shea who will be remembered as the genial Superintendent of the Simplex Spring Shop from its beginning until his death six years ago.

Mr. David Schultz, Shipping Clerk in the Brake Beam Shop, is the proud Daddy of a 10-pound boy. Dave says he will be known as Gilbert Marvin. Joe Ernst, Truck Driver, is receiving congratulations over the arrival of a baby girl born Christmas afternoon.

A card has been received from R. H. Schmid, a former Draftsman, from Southern California, wishing to be remembered to the old acquaintances.

Mr. Frank Richwine, Superintendent of the Spring Department, was quite agreeably surprised recently when his brother, Mr. Sam Richwine of

Detroit, paid him an unexpected visit. The latter worked for the Simplex Works some sixteen years ago.

Mr. Jeff Walker, Steel Stock Clerk, of the Spring Department, refuses to divulge what his plans are in protecting the some 200, or more, odd mice, all ages and sizes, he harbors in his shanty. Either just pets or chop suey is our guess.



Henry Moratz, Watchman, Hammond, Indiana, twelve years' service

Mr. W. Thomas, Works Auditor, made his monthly trip to Galesburg to audit accounts.

No chance of heading into the wrong Department of the Simplex any more since the Department names have been placed on the doors.

The old auto shed, on Hohman Street, has given way for the new clock house, just completed.

The old superstition as to the number 13 has been knocked out, judging from the squeals of delight from every one of the thirteen Simplex girls, when they took their chance in the Grab Bag held during the holidays. By the way, this affair should not pass by unnoticed. It was held in Mr. Austin's office, generously donated for the purpose, and sandwiches of many kinds, hot coffee, potato salad, cake, ice cream, even a five-pound box of candy, were served to the interested persons.

The Spring Department, at this writing, is using ear muffs and a megaphone, owing to the repair work going on in their office.

Uncle John Barge, Car Tracer, was disgusted with life owing to the pounding and sawing going on during office repairs. After being tipped off to the laboratory being the quietest spot, he immediately had his desk moved to that nook, so he again beams on the world.

Mr. Earl Leech, Fireman in the Boiler Room, purchased a ten acre plot at Ganwood, Mo., which he expects to retire on.

Do you remember when the Store Room was dubbed the "shop office" and boasted of four or five inhabitants such as Roy Conde, Supply Agent; Walt Halfman, Timekeeper; Fred Brose, Receiving Clerk; Ernest Holzworth and Stanley Sonnenberg? Now it is the "Store Room" with the following lineup: Walt Halfman, Payroll Clerk; Edward Tarnogrodski, Asst. Payroll Clerk; Ernest Holzworth, Labor Distribution Clerk; Edward Ooms, Asst. Labor Distribution Clerk; F. C. Brose, Receiving Clerk; T. J. Johnsey, Invoice Clerk; Mary Shop-taugh, Stenographer; J. T. Gilfillan, Stores Clerk; G. T. Engleman, Storekeeper; E. R. Taylor, Stores Ledger Clerk; J. E. Lowe, Invoice Clerk.

Bill Roach, Blue Print Boy, had the experience of being held up and robbed during the Holiday rush. Bill reports he was some scared when he lamped the gun and the big fellow back of it.



Mr. Sparrow, Master Mechanic, accompanied by Mr. Calwell, Asst. Works Manager, came clipping along over Lake George Road one blustering January morn, when away went the top of the car. Mr. Calwell was rendered speechless. Hard luck in winter to have a car laid up, but "Hard Luck" does not particularly respect personages.



## Indiana Harbor

Now just what is the difference between a muffin and a cup cake? Surely Mrs. McNab will be called upon soon to render a decision, for Miss Thomas and Mr. Fetten don't seem to agree on that subject.

About a year ago one of the young ladies of the Accounting Department made a bet with Mr. Terrill Bradburn that he would be married before three years had rolled around. A few weeks ago we heard her say, "Mr. Bradburn, you owe me a bet." Mr. Bradburn immediately had very urgent business to attend outside our office. It was our first intimation that he had taken unto himself a wife, and everyone of us join in wishing him happiness. We also hope that Miss Grott collected her bet.

The special bowling match that took place last week was to decide the championship between the day and night men. As usual the daylight crew easily defeated the night owls for three games by 239 pins. This is the second time the night gang has gone down in defeat. Cheer up boys, there always is a chance. Three strikes and out can be applied to this. How about the third game? We love to trim any team that considers themselves "champs."

Mr. Joe Creech, our Stationery Clerk, was called to Troy, Mo., on account of the death of a relative. We missed Joe, and all extend our sympathy.

Hugh G. Dugan, who is at present at Asheville, N. C., on a leave of absence from the Indiana Harbor Works, reports that he is improving rapidly. Mr. Dugan is enrolled in the Foremen's Training Course and will carry his work on by correspondence.

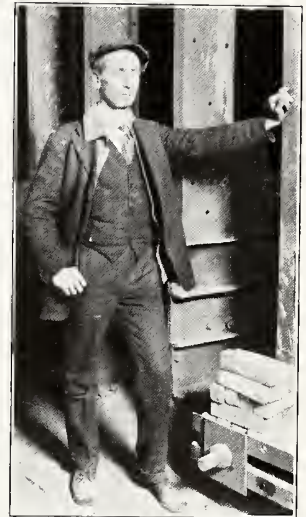
Mr. Chas. E. Lewis, one of our Inspectors, was seen coming out of the Court House in Crown Point the other day, with a little slip of paper. "Charlie," be sure to read this before signing, many a man has been ruined because he failed to see the point. Good luck, is our best wishes for Mr. Lewis.

We have just received a shipment of nuts and candies in our Store Room for sale to the employes of the Indiana Harbor Plant. We are wondering if any allowances were made for shortages, as all of the Store Room gang claims they like candy and nuts. Walter, bring out the LCL shortage report forms.

Scotty Johnson was seen passing the cigars around after the E. B. A. election.

We are sorry to hear that Sam Syler, Pattern Maker, has left our employ and accepted a position with the Sinclair Oil Company.

In the spring time we like to brighten things up a bit at Indiana Harbor. With this in view, our Janitor, Todd Mosley, put in a requisition the other day for 200 Tulip Bulbs. Stanley Lind, who holds forth in the Store Room, alongside C. B. Johnson, our Supply Agent, wrote up the requisition for 200 "Two-lip" Bulbs. When the order came to the office for approval, the Works Manager wrote across the face of it, "We have heard of 'Two-lip' salve as an osculatory aid, but don't you really mean 'Tulip' Bulbs?" to which he replied "Don't know much about the one kind, but am a bear on the other." C. B., we never thought that of you.



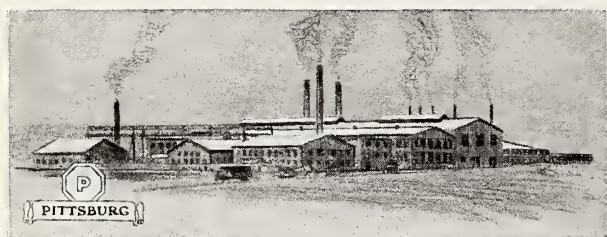
Thomas Loveday, Asst. Maintenance Engineer, Indiana Harbor Works, four years' service

Call for Mr. Boyle to go down to the Pattern Storage to let Wop (the Plant Bloodhound) out, after being locked up for an hour or so.

A new whistle has been installed in No. 2 Foundry. W. F. Grebe says he hopes that the Firemen of No. 1 Company can hear the fire whistle now. It sure is some whistle, William.

The Plant employes are more than pleased to see Mr. David, Machine Shop Foreman, back in his old stand once more, after being confined to his bed for a period of six weeks. Dave looks a little thin but has promised to pick up that extra baggage in a few days. Here's hoping.

The "Peppers" still continue to bombard the Indiana Harbor Bowling League. Their latest victims were the strong "Gumps" who were snowed under two games out of three. The "Peppers" have won eight of their last nine games and are still going strong, being in the lead by two full games. A large amount of credit for the "Peppers," good showing is due to their popular Captain, Fred Murley, who has all of the boys going at top form.



## Pittsburgh

Bill Arnold, of the C. & M. Department, has recently installed a new Hecklar furnace. Bill is not a believer in cold feet.

The Pittsburgh Shop is getting famous for making new records. Our late Mr. Stephenson has hung up a new one on getting ready for a banquet—leaving the shop at 5 o'clock, going home a distance of 6 miles, changing his attire and shaving in 15 minutes flat. If some of our Theatrical Managers knew of Steve, we doubt very much if the American Steel Foundries could hold him.

Steve Sporcich, Molder, has been off duty with a poisoned finger, resulting from scratch of a nail. Pete lost about two months' time on this account.

Harry Zollinger, our Brick Mason had a streak of hard luck recently. The last time he was at Franklin a friend offered him an automobile for a song. Harry had such a bad cold that he had to come home on the train.

The members of the Snap Department and the Company extend to the widow of Anton Againer their sincere sympathy upon the recent death of Mr. Againer.

Rudy Arn, the newly elected E. B. A. Trustee, is going to show how his Association is to be run on a Cost Basis when he goes to Chicago.

Some of our fellows used to wonder how many miles they could get out of a gallon. Nowadays they wonder how far a quart will go.

The city has started to remove the brick pavement from Mifflin Street in order that "Jesse James," our Assistant Shipper, may ride his spotted Broncho.

Attention, Harbor! We regret very much our inability to enter your pie-baking contest, but we have a number of good eaters who would no doubt take the "laurels" without the least effort.

Wm. Schmidt, "Big Bill" of the Electrical Department, is going to move to the country next spring, as he wants to learn to play a cornet.

There is an increase in the Osborne family. A friend presented them with a Boston terrier as a Christmas present.

There are divers reports afloat about Elmer Eiffel, and the strange thing is that none of them conflict. Ask Elmer.

The male Bolsheviki element of Pittsburgh Works recently decided to go contrary to the "Spirit of the Times," and hold an exclusive stag. After enjoying a laughable hour at one of Pittsburgh's leading playhouses, the party migrated on to the Elks' Club, to spend the remainder of the night. On arrival at the Club a sumptuous feed met with the approval of the entire party, and favors appropriate to the occasion



J. H. Zimmerman, Asst. Foundry Foreman, Pittsburgh, twenty-three years' service

were presented to each man, Mr. Lewis Weiss securing the "Prize." During the feast informal speeches were made, that of Mr. Topnick being the hit of the evening, and cigars were much in favor afterwards. Had the present ruling by the Police Commissioners been in effect that all early morning pedestrians be locked up, the Pittsburgh Works would have been idle the next day.



When "Cutie" Meyer, our Foundry Foreman, read the little squib about his proposed house warming party, he remarked, "Gee, I wonder if those guys think I'm a piker. It'll take more than a 2-bit limit to pay for my heating system." Clean 'em up, Cutie! We're still for you!

Mr. H. J. Freese, Works Auditor and Mr. R. G. Arn, Bulk Material Clerk, were relieved of their jewelry recently, just before they got to the station on their trip East.

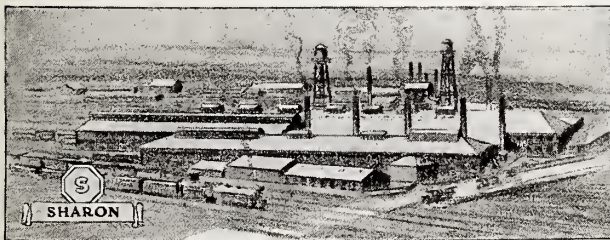
The Stork paid a welcome visit to Mr. and Mrs. Geo. Metz, 3930 Penn Ave., and presented them with an eight-pound baby girl. George is some guy in our Molding Department these days.

Mr. John Collins, C. & M. Foreman, was in Erie, Pa., recently on company business.

Edw. Murray, Craneman in Molding Department, has the sympathy of his fellow workmen on account of the death of his brother, John F. Murray.

Since the passing of Santa, there is a noticeable increase in the number of diamond rings worn by fair members of the Pittsburgh Works.

James Hathorn, Head Chemist, says that he has a lot of visitors to the "Lab" lately, most of the fellows asking for information regarding the operation of the still. "Jim" says that he has his suspicions.



## Sharon

H. Kashner and Thomas Ryan are talking about walking from Warren, Ohio, to Sharon, a distance of 14 miles. If they are such poor judges of that, we will let them walk and tell about it in the next copy of THE OCTAGON.

You should see Al Lauer paint—he is some artist with the brush. Ask the boys at Alliance how that railroad car we sent them looks.

Thos. Ryan claims that Daniel Boone Barnes knows about as much about politics and building a fire as he does about the salary some "Would-be" actors get and when Dan claims Conneaut Lake was over the hill tops here at one time, Ryan said, "If that boy had a little more sense he would be half-witted." You should hear Barnes tell you about "Philadelphia Jack O'Brien."



Mr. Victor Sandor, son of Mr. T. C. Sandor, our Yardmaster, has a wireless outfit that covers a 600-mile radius, and wants communication with other stations

Albert Moses, we understand, has already asked for a month's vacation next summer. "Pete" says one week isn't long enough to spend at a place like "Geneva on The Lake," especially when so many girls from Cleveland spend the summer there. We all agree that Pete knows.

If you wish to hear something interesting, you should hear Herman Long talk on "The Merchant of Venice" or T. G. Sandor tell about "Alliance." They are so interesting in their talk that you can sleep most all the time they are vociferating.

Dan Barnes and Harold Rollinson can't agree on shows, both men claiming one knows more than the other. Barnes claims when it comes to be a judge of a show that Rollinson lives on the wrong side of Mercer.

H. J. Rollinson is smiling on account of the dandy weather we are having. It is almost like the summer time at this writing and H. J.'s car will run down hill when the roads are good.

A.C. Dunlap, the "Ozark Kid," is wanting someone to buy his automobile license for 1921, but at Andy's game he is having no luck

Fred Moore, Carpenter Foreman, is the owner of a new Buick car. Some car, according to Fred, and as our old friend, Joe Tibbits, is now in Canada, there is no one here to doubt Fred's word.

Charles "Chuck" Glazer, formerly employed at the Sharon Plant, but now with the Canadian Steel Foundry at Welland, Ontario, was home for the Christmas Holidays and was married to a young lady of our City.

Thos. Ryan, our Pipefitter Foreman, is not going to ride on another street car until the fares are reduced to five cents. More business for the Shoe Merchants.

J. J. Niehoff, known as "Cicotte," is getting to be a dog fancier, for he is getting an Airedale dog that according to his own statement "Is a Bear."

A. C. Dunlap has a "Turtle Dog" known as "Newt" that he would like to have somebody tell him what he is good for, and the person who does will be all to the good, for no one around here can answer such a question.



## General Offices

Messrs. A. Mertes and M. T. Bainbridge spent the Holidays in Northern Wisconsin at their respective homes.

Mr. J. Vallyly has accepted a position with the Republic Iron & Steel Company.

Mr. M. T. Bainbridge has been at Pittsburgh and Sharon Works working on equipment records.

Miss Marion Scriba, Stenographer in the Engineering Department, has been quite ill recently, but is now at her desk.

Mr. Thomas Gilfallen, once an employe in the Accounting Department and now at the Simplex Works, paid us a recent visit.

If you are interested in Rhummy (or however you spell it) come up in the Voucher Department and sit in on the Office Boys' game. The stakes are two cents per hand.

The following code book pages, Nos. 122, 123, 124, 125, 126, 164, 165, 166, 167, 174, 176, 191, 200 (Dated 1-1-21), 97 (Dated 1-8-21) were revised and sent out between Jan. 1st and 15th, 1921. Have you received these pages for your book?

Mr. Harry Olden has been at the Indiana Harbor Works, making his regular audit.

Mr. E. Medlar, Payroll Auditor, spent a short while in the Chicago Offices recently. Ed's visits are usually of the "Hello-Goodbye" order.

Mr. Scully Hampton, who has made himself quite famous around the Offices because of his athletic prowess, has had to stop and recuperate, because of poor condition. As a result, the athletic activities in the General Offices have fallen off.

Patsy Gibbons, Jr., is the latest visitor at the home of Mr. and Mrs. P. H. Gibbons. There has been much going on in the Treasury Department in the way of congratulations since this young man arrived in the world on November 22.

Mr. W. A. Blanchard, of the Sales Department, has completed his thirty-fourth year of service with the A. S. F., and can now be seen wearing a White Button on his lapel. Mr. Blanchard first started with the Company at Alliance, O., when that Works was operated as the Solid Steel Castings Company, remaining there eight years. From there he was transferred to the American Steel Casting Company, at Chester, Pa., where he also put in eight more years of service, later going to the New York Office of that Company. In January, 1895, he came to the Chicago Office, to act as Western District Sales Manager, the duties of which he performed until 1904. In the meantime, out of those Companies the American Steel Foundries was formed and Mr. Blanchard remained as Sales Agent, so for the past twenty-six years has been a familiar figure in the Chicago Offices.



Mr. W. A. Blanchard,  
thirty-four years' service





Bulletin No. 25.

H. J. M.

This is a good way to ruin tools. Even though made of the best

## TOOL STEEL

they can not stand rough handling like that without being put out of commission in short order.

But there are other ways just as effective. One is to throw them down in the sand and dirt on the floor. This is very popular.

Another very simple way is just to lose them, don't you know. Using dull cutting tools is also very effective.

Any of these methods will quickly send them to the waste pile and spoil that much good tool steel.

But tool steel costs money. We don't get it for nothing.

## Object Lesson:

In four months we used 3964 pounds of tool steel at an average price of 22½¢ per pound, or \$891.90. The only way to reduce this account is by being considerate in handling our tools. Every tool preserved represents that much tool steel saved from our big waste pile. — Help us to close the "Gate of Waste"!

The Works Council.



Bulletin No. 25.

*Phew! — This is sure fierce!*

*Of all Jobs I have certainly the toughest job of the bunch, for they tell me that I have to swallow and disgorge 6501,108 gallons of*

## Fuel Oil

*during the year before they are satisfied. It gives me the jim-jams to think of it. If it atleast had some kick in it, it wouldn't be so bad, but it hasn't, — only gripes. It certainly gives me a crude feeling.*

*But the boss is the doctor, so I guess I'll have to swallow the black stuff and keep on looking pleasant. — Just like that*

## OBJECT LESSON.

Our fuel-oil consumption for four months of this year was 2,167,036 gallons at a cost of \$119,097.85. During this period we produced 19,546 tons of good castings. Therefore, for every ton of good castings produced, we used \$6.09 worth of fuel-oil. Too much! — No wonder the old man looks so sour. Cheer him up by producing more castings with less oil. It can be done.

The Works Council.



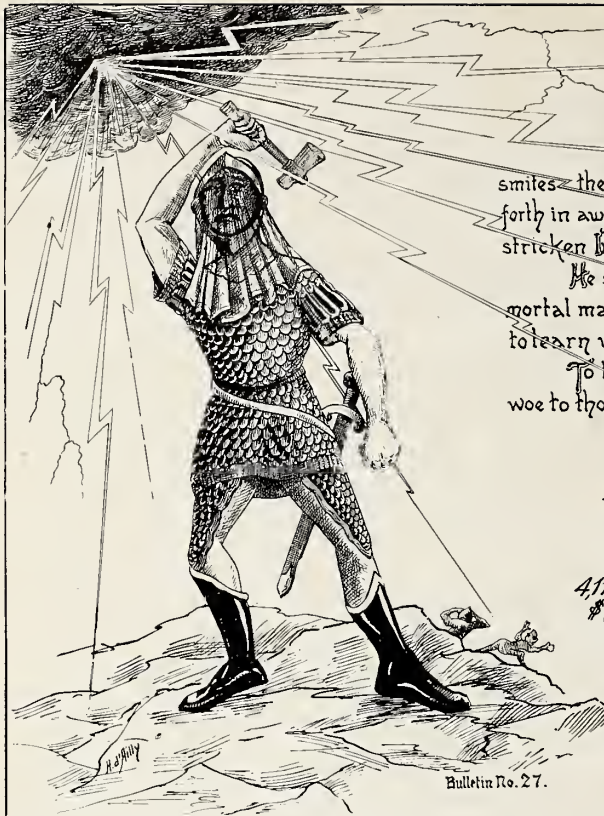


# THE OCTAGON

|| March, 1921 ||







## When Thor, the mighty god of **ELECTRICITY**

smites the gathering clouds with his magic hammer, heaven and earth blaze forth in awful splendor of dazzling flames of gold, driving the terror-stricken hordes of destruction into their darkest hiding places.

He serves us every day in a hundred different ways, but no mortal man has yet been able to lift the veil of mystery, that hides his face, to learn whence comes his awful power.

To those who respect him he is a true and useful friend, but woe to those who attempt to abuse or mistreat him.

### — OBJECT LESSON —

*During the last twelve months we have consumed 4,114,830 Kilowatt Hours of Electricity at a total cost of \$85,337.76, or a fraction over 2¢ per K Hour.*

*A large per cent of electric power is wasted, when the machines are allowed to run idle. Help us to reduce that waste.*

**Turn out the lights!**

*The Works Council.*

Bulletin No. 27.



Bulletin No. 28.

*H. J. Kelly*

You are doing all right, handsome fellow, with your little tinplate, - almost as well as our pretty typewriter damsels at the foundry can do. But it takes some real Yankee horse-

### **POWER**

to make our Davis Wheels, Vulcan and Andrews Side Frames, Truck Bolsters & Bodies, - and that is what the boys at our Granite City plant are doing every day, my lad.

Drop in and watch them, when you are in town, but don't forget your overalls.

### Object Lesson.

It takes a powerful arm to throw a "Discus" any considerable distance. Still, that is child's-play, compared with the power required to run our Works.

During the first nine months of this year we have spent \$136,352.25 for making Power.

That is a big pile of money! By being careful to avoid waste we could save considerably of this expense.

Bear that in mind when using Power, and watch the result. Power saved means Coal, Air, Electricity, Water, Steam, Money and Labor saved!

*The Works Council.*





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## JAPAN AND COREA

By

A. G. WILLIAMS, Manager Export Department, General Offices

**P**ROBABLY the outstanding feature of a recent trip to Japan is the recollection of the generous and kindly hospitality of the prominent business, political and military leaders whom we had the pleasure of meeting and forming friendships with. This feeling of friendliness was with us constantly from the time our ship left the storm-troubled Pacific to enter the sheltered, hospitable calm of Tokyo Bay.

Here we were greeted by an unusual view of the famous Mount Fuji standing snow capped and cloudless, clear cut against the deep blue of the sky and lit up by the rising sun as it came out of the watery horizon. Seemingly Fuji was dressed in its best to welcome us to Japan.

The docks, crowded with people to welcome various passengers, gave us our first view of what was to become such a familiar sight—the Japanese smile. This smile does not seem to be confined to any one class, as we found it in

the ricksha men and the geisha, as well as shop keepers and business men.

Nearly all of the business men of Japan speak good English, but very few of the ladies in their families do. Consequently when they desire to entertain foreign visitors it is seldom done in their home and mostly in the Tea Houses. One notable exception in our experience was when our party was entertained by a Japanese gentleman and his charming family at a Sunday afternoon garden party at his summer home. We spent so many evenings as guests at Tea House dinners that we had an opportunity to become well acquainted with this institution that is such an important part in the life of the high class Japanese man.

On arriving at a Tea House one leaves his shoes, coat and hat at the outer door. Laced shoes are a handicap here and the Japanese uses shoes with elastic sides for quick removal. Most Tea Houses provide a felt slipper for foreign guests, but as they are usually too

small, we carried Pullman slippers in our pockets when going to a Tea House.

The party first assembles in a small room where Japanese tea is served; then they move to a larger room where the dinner is to be served and the entertainment furnished. The rooms have paper walls or shōji that can be slid back or taken out entirely. This gives a flexible arrangement so that a room of any size can be obtained by throwing several together.

The floors of the passageways are of wood having a highly polished satin finish. Room floors are of tatami or matting laid in standard sized sections, each being about three by six feet and two inches thick. Rooms are always designed to take a certain number of these standard floor sections. Ceilings are of wood paneling, beautifully polished in oil, or a light varnish to bring out the grain of the wood. The fixed end of the room contains a recess raised about six inches above the rest of the floor. Half of the recess always contains a vase for flowers, one art object and one picture scroll. The other half usually has chests, shelves or drawers for various objects.

Guests are seated on the floor on three sides of a hollow square. The honor guests are in the center or opposite the open side where the entertainers perform. Each guest is provided with one or two silk covered cushions, also with a slightly concave arm rest, which is much appreciated by foreigners unaccustomed to sitting cross-legged on the floor. In cold

weather each guest also has a hibachi, somewhat resembling a jardiniere, lined with wood ashes and containing several pieces of lighted charcoal which serve for lighting cigarettes and warming the wrists. A zen, or small lacquered table about eighteen inches square and ten inches high is placed in front of each guest and the different courses of food served on it by the geisha, who, however, do not bring it in from the room where it is prepared.

Generally two geisha look after each guest and see that his saké cup is kept filled.

A thin soup, served in a covered lacquer bowl, is usually the first course, while the other items generally consist of the famous raw fish sliced and eaten with a soya bean and beet root sauce, several courses of fish, pickled radishes, fried eel or shrimp, rice and Japanese cake, made principally from soya beans.

All this food is, of course, eaten with chop sticks with which one soon becomes expert. Chop sticks are provided in a sealed paper package and are only split part way, the diner completing the separation of the two chop sticks, thus being assured that they have never been used before.

The geisha are dressed in wonderfully colored kimonos and obi or sashes. (Four kimonos are usually worn at one time). They entertain the guests by playing numerous games and by dancing to music played on a samisen or sort of a guitar. Most of the geisha are young girls



Typical Bronze Figure of a Great Japanese Hero in Hotel Yard, Kyoto. The Japanese excel in minute detailed decorations on such bronze work



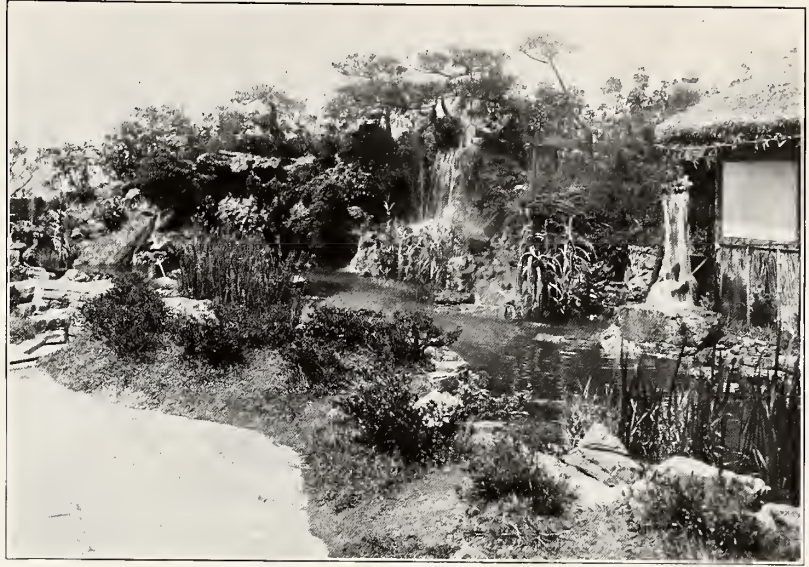
Room in Japanese Tea House Arranged for Dinner



ranging from thirteen to eighteen years old and begin their training when about eight years old. They are just as interested in and curious about Americans as Americans are about them, and through the men, ask all kinds of questions about America. Charley Chaplin and other American screen stars are their favorite heroes and they frequently give very clever Chaplin imitations.

During the course of the dinner each Japanese presents himself in front of the guest of honor, fills the guest's saké cup and presents it to him to drink to his health. The guest then fills the cup and returns it to the Japanese so that he may drink to the guest's health. During this exchange of toasts they become very well acquainted. When a large party is involved, this pleasant custom requires a rather strong constitution. The largest dinner we attended was for about forty persons, though an American told me he had enjoyed one where seventy-five had attended; all called on him and he returned the calls.

Shortly after this shoes are resumed and the party breaks up after final adieus from the smiling geisha.



Typical Bit of Japanese Landscape Gardening

Japan contains much to charm and interest the foreign visitor, description of which cannot be attempted in such a short article as this.

The two old capitals, Nara and Kyoto, are full of moss-covered temples and ruins hidden in the hillsides amidst beautiful groves of great Cryptomeias, noble, big trees not unlike the California Sequoia. The best specimens of this tree are found at Nikko, many rearing their seven foot shafts 120 feet in the air.

Kyoto is the art center of the empire and here are made and sold the most exquisite cloisonné, damascene, satsuma, potteries, silks, etc., in such a profusion of designs, coloring and general beauty that the visitor's purchases are generally limited only by the extent of his resources.

Kamakura, a seaside resort with its giant Daibutsu, or big bronze Buddha, towering over the trees, the mountainous Lake Hakone region and Miyanoshita, Miyajima and Nikko, are all ideal spots to spend a week end, combining a study of the old, historical Japan with the natural beauties of its landscapes.

All too soon it becomes necessary to leave these charming places and as one passes along the inland sea and its beauties unfold, it appears that the last views and impressions of Japan are



Japanese Bidding Bon Voyage to Friends Leaving for America. The paper ties are fed out carefully in order to maintain physical contact with friends as long as possible



to be the best, and the bustling port of Shimono-seki seems to bid as friendly a farewell as was the welcome extended by Fugi-San.



Street scene in Seoul  
The street car system was built and is operated by an American

## COREA

Chosen (Corea) presents the problem of whether a nation should be allowed to live its life in its own way even though that way leads to famine, poverty, and dissipation of natural resources, or whether a vigorous, more progressive neighbor nation has the right to assume the role of benevolent protector and thrust material advantages upon the country.

The Korean civilization is modeled on the Chinese and at one time, to judge from old temples, palaces, etc., must have been very advanced. During the last several centuries, however, all progress seems to have ceased and



Washing Day in Corea

the country has rapidly run down. It is now an object lesson in the evils of deforestation, for the hills, barren of trees, are badly eroded,

while the river beds are filled up and higher than the surrounding country. This caused long drouths and consequently bad crops. In spite of the enormous unworked coal deposits near the surface, the Coreans suffered bitterly from lack of heat during the winter. Altogether, Corea was in a bad way politically and economically.

Since Japan about ten years ago assumed control of Corea, there has begun a systematic rebuilding of the country. Among the projects are a comprehensive system of highways and railroads, reclaiming of large areas of land and building up of extensive systems of irrigation to retain the water on the land, thus using it over and over.



Bringing Fire-Wood to Market in Corea

One of the most ambitious and best executed of Japanese enterprises is the re-forestation program, and for miles along the railway, covering entire mountain sides, are seen the trees they have planted at regular intervals. The number of trees so far planted runs into the billions and already there are shown returns in the form of holding water in the hills and furnishing fuel for the Coreans. An odd sight is to see the strings of bulls in the streets entirely hidden under unwieldy loads of tree branches, the Coreans being permitted to cut off the branches to a certain height.

All adult Coreans dress in flowing white cotton clothes, the men wearing baggy trousers tied in at the ankles and large loose coats fastened with a single bow across the chest. Ri-



diculous little hats fastened by strings under the chin, and white low shoes complete the costume. The women wear voluminous skirts and tight-fitting waists. No hats appear to be necessary, as packages often of enormous volume almost cover their heads. They carry the load while man shows his superiority by stalking proudly ahead empty-handed. The children's dresses are riots of reds, blues, greens and pinks of the most vivid hues, which become for the older girls, more modestly, pale pinks and greens for the skirt and white for the waist.

Every day is wash-day in Corea and the wayside stream or the village gutter serves as washtub and gossiping place combined. Clean water is no object apparently, just so it is wet and clothes are beaten on stones and spread to dry. Ironing is done by folding the clothes and beating them with two rounded clubs to take out the wrinkles, and the tattoo of the ironing clubs is a familiar sound day and night.

Corea has no cemeteries, the custom being to place individual graves anywhere in the fields. A mound usually about six feet in diameter and four feet high is raised and a plot



Old Throne Building in Seoul—famous for having the screen and steps back of the throne where the Queen Mother and her minister stood and whispered the replies the King must make to those addressing the throne

of ground about twenty-five feet square reserved for each grave. Generally the place selected is in the best lying land, so that much of the best agricultural land is taken up by these scattered graves. When a new railroad is being located, it is amazing the number of new graves that appear on the right of way, the Koreans being willing, however, to have the grave removed for a substantial cash consideration.

(TO BE CONTINUED)

*(The foregoing articles are the results of a recent trip made to the Orient by Mr. Williams.)*

## AN ACCOUNT OF THE RECENT SPECIALTY SALES MEETINGS

By

**F. B. ERNST, Assistant to First Vice President,  
General Offices**

**A**T the call of Mr. G. E. Scott, First Vice President, the Specialty Salesmen of the Company met in the Chicago Office on Monday, January 31, and Tuesday, February 1, to discuss the various products of the company's manufacture.

The meetings were held in the office of Mr. J. C. Davis and the following representatives of the company were present:

New York Office, W. J. Lynch, Theo. Cook, T. H. Hopkirk, J. R. Stuart, R. F. Darby, T. R. Sadler; Washington Office, C. B. Peirce, Jr.; Philadelphia Office, S. W. Sargent; Cleveland Office, P. A. Martin; St. Louis Office, J. V. Bell, T. D. Kelley; St. Paul Office, P. J. Kalman, G. H. Snyder; Denver Office, F. S. McNamara; Chicago Office, G. E. Scott, R. H. Ripley, J. W. Dalman, D. T. Harris, G. F. Slaughter, F. B. Ernst, G. G. Floyd, J. A. Lamont, A. H. Peycke, W. H. Graul, W. A. Stearns, J. J. Hughes, L. E. Jones, H. D. Hammond, T. Drever, F. E. Patterson.

In opening the meeting Mr. Scott talked of

trade conditions and matters of general company interest. This was followed by a discussion by the salesmen from the different offices of prospective orders and the attitude of the railroads towards a renewal of car buying.

At the afternoon session Mr. Ernst gave general figures covering the total specialty sales of the company, relative capacities of the various plants, number of men employed, cast steel specialty selling prices, etc. From this information the salesmen were given a general idea of what the average sales per man amount to per year, month, week, day and minute. A further deduction showed that from the sales standpoint each salesman is responsible for the employment of approximately 290 men in the foundry, and figuring four in a family, each salesman provides for the support of approximately 1160 persons.

Mr. Ernst also referred to the advantages to be gained both for the railroads and manufacturers by the annual average purchase of car and locomotive equipment. This plan was described more fully in the first issue of "THE OCTAGON," January, 1920.

Mr. Ripley gave a general review of the clasp brake situation together with the development of the facilities for the manufacture of clasp brakes and forgings at Hammond, dwelling upon the rapidity of the demand for clasp brakes in the last few years, which has grown from a few hundred car sets per year, three years ago, to an approximate requirement of 3000 car sets per year, at the present time. He also spoke of the desirability of new designs of springs for freight equipment.

Mr. Floyd described the work of the M. C. B. Standardization Committee in their efforts toward the adoption of standard truck designs. He also described the new Floyd truck, in which, by the employment of an inverted U section, a much better distribution of metal is obtained, resulting in a frame somewhat lighter and of lower fibre stresses than any other design prepared up to the present time.

Mr. John Lamont described the various six-

wheel freight car trucks in use and with the aid of blue prints and photographs showed in detail the new six wheel truck of his own design. This truck, in accordance with the opinion of different mechanical men, meets most satisfactorily the various service demands of a six-wheel truck and will undoubtedly be extensively used on six-wheel freight cars of the future.

On Monday evening a dinner was given the visiting salesmen and various members of the Chicago office, at the Union League Club. Some figures from the Balance Sheet and Profit and Loss Statement for the year of 1920 were read by Mr. R. P. Lamont, President, and compared with those of 1911. In the latter year the total assets and liabilities were approximately \$26,000,000.00; for 1920, something over \$60,000,000.00. At the end of 1911 there was a deficit to surplus of \$224,518.71; in 1920, an unappropriated surplus of \$11,144,730.71, which together with an appropriated surplus of \$2,869,363.85 made a total of over \$14,000,000.00. The working capital in the earlier year was approximately \$4,000,000.00; at the present time, \$16,000,000.00. In the interval of 1912 to 1920, inclusive, the company earned \$22,969,705.81, out of which \$6,685,439.25 was paid in dividends, and the balance of something over \$16,000,000.00 retained in the business.

Mr. Samuel O. Dunn, Vice President of the "Railway Age," who is probably as familiar as any other man in the country with the condition of the Railroads today, was invited to make an address at the dinner on the general railroad situation. He presented interesting facts in regard to the railroads at the present time, operating efficiency and the status of the roads today, as compared with earlier periods.

Mr. Peycke opened the meeting Tuesday morning with a demonstration of the new reversible brake beam strut designed by Mr. Hedgcock, together with a new adjustable head for passenger beams. The tendency at the present time is toward a reversible strut for brake beams and the merit of the strut



shown was so apparent that its description was met with applause from the meeting.

Mr. Graul and Mr. Stearns discussed draft arms and yokes, going into the merits of the horizontal and vertical key yokes, with a discussion of the probable tendency of future designs of both forged and cast yokes. The yoke at the present time is a very live subject and the company will be prepared to offer various designs of either type. Mr. Graul also spoke generally of draft arms, couplers and coupler pockets.

Mr. Hughes referred to the work of the Order Department and the large number of inquiries for deliveries replied to per day, as well as the volume of orders going through his department, of which the average salesman had little knowledge. He gave particularly interesting information in regard to the cost of patterns. An ordinary wood floor pattern for either side frames or bolsters, good for about 150 castings, is costing at the present time from \$900 to \$1100. A new pattern of regular design of side frame or bolster costs from \$3000 to \$3500. There are several patterns of unusual design recently made, which cost the company over \$7000 per pattern. One of these was a body

bolster, the pattern cost amounting to \$21.00 per ton for the entire order. Within the last few weeks there were 250 short orders on our books, all requiring the construction of new patterns or alteration of old ones. If all the pattern work were done in our own shop, delivery of some of the orders would not be made for six months or longer. The expense of taking a pattern from the pattern storage, checking it and preparing pattern and core boxes for the sand at the present time amounts to from \$25 to \$150, and because of this expense very few short orders are profitable. In addition to other interesting information about patterns, Mr. Hughes entertained the meeting with remarks on various other subjects.

Mr. H. D. Hammond stated that duplicate car work and locomotive castings constituted an important part of the work done by the Miscellaneous Foundries, and that the specialty salesmen, through the various miscellaneous contracts with the railroads, provided considerable tonnage for the miscellaneous plants. He also dealt with the question of delivery and the method now employed of scheduling the work at Indiana Harbor, where most of the miscellaneous railroad castings are produced.



The Officials and the Salesmen of the American Steel Foundries who were present at the Sales Meeting in Chicago

Mr. L. E. Jones read a very interesting paper covering the relations of the Claim Department with the salesmen's work, and by means of a chart showed the great decrease which has taken place in side frame and bolster replacements in the last few years. Cast steel bolster failures show a steady decrease the last fifteen years and the number of replacements at the present time is so small as to be of no consequence whatever. Cast steel side frames were at first of too light design, there being some failures. These have been largely eliminated the last few years, however, by changing from the "T" to the channel top and finally to the full "U" section frame. The effect of the use of the full "U" section frame was strikingly shown in the chart prepared by Mr. Jones, the replacements for the last year amounting to one twentieth of the replacements five years ago. At the present time the replacements are practically negligible. Mr. Jones gave some idea of the method of his treatment of claims and an illustration of his work was referred to in an instance related by Mr. Lynch. A customer some time ago had trouble with a product of the American Steel Foundries. Mr. Jones had adjusted the claim and the customer had only recently written stating that they were shortly to purchase additional equipment and that Mr. Jones had handled their claims so fairly that they desired our company to have first consideration in furnishing specialties for their proposed new equipment.

Mr. Thos. Drever gave some idea of the accounting of the company, the tabulation of costs and the gross business done in the last few years. He answered a number of questions relating to the affairs of the company and conditions in general.

Mr. F. E. Patterson told of the financial condition of the railroads at the present time and of the urgency of the government making partial payment to the railroads of amounts due them from claims covering the government control period, many railroads having difficulty at the present time in making payments to the

various specialty companies, due to government delay in settling claims. The wording of the Transportation Act of 1920 made it necessary for the Treasury Department to rule that no payments could be made until the amounts of all claims have been definitely determined.

The meeting adjourned late Tuesday afternoon for a trip to Granite City. The party was met at the train on Wednesday morning and taken to the Granite City plant for breakfast, after which an inspection trip through the plant was made under the direction of Mr. Spieth, and Mr. Ed Walcher, Mr. Kelley and other members of the Granite City organization, particular attention being given to the manufacture of the Davis Wheel. The method of manufacture of the wheel was observed from start to finish, including moulding, drying of the moulds, pouring, cleaning, annealing, hardening, finishing and testing of the wheels.

Probably few articles of manufacture are subject to the care and refinement exercised in producing the Davis Wheel. If any doubt remained in the minds of the salesmen as to the strength and dependability of the Davis Wheel, this was removed by the drop tests which followed the plant inspection.

It required a drop of a 3960-pound weight from a height of 50 feet to break a Davis Wheel. In some cases three or four blows from this height were necessary. A rolled steel wheel at the first blow from a height of 50 feet broke into approximately 40 pieces, some of the parts flying many feet from the foot of the drop.

The most interesting test was that of the weight dropped from a height of over 50 feet directly upon the flange of the Davis Wheel standing in an upright position. The blow was delivered perfectly but the flange was not broken. It was merely pushed back with a small part of the metal torn. This was a remarkable demonstration of the strength of the flange under the terrific blow delivered, as from that height the speed of the 3960 pound weight was approximately 28 miles per hour. A total of six Davis Wheels selected at random



in the shop were tested to destruction. Every fracture showed a perfect solidity of metal and a fineness of structure that pays tribute to the care which is exercised in the production of this wheel. The metal shown in every fracture could not have been better and the tests, as conducted, without question, have given the greatest confidence in and respect for the wheel and would convince any observer of its safety and dependability in any kind of service.

A plan is being considered to supplement the drop tests as they are now conducted on the Davis Wheel by further tests of the strength of the flanges of different makes of wheels, these tests to employ the regular M. C. B. drop of 1640 lbs., delivering a blow direct to the flange of the wheel. This test would subject the wheel to blows similar to those received in service and would add materially to the demonstrations as they are now conducted.

Mr. Stearns described the Lewis-Pilcher six-wheel truck, one of which was mounted complete for observation.

Prof. Endsley demonstrated the use of the Barry Extensometer in the determination of fibre stresses at various points of the side frame.

He took the party through the new Wheel Testing Plant recently erected at Granite City for the determination of the wear on wheels in action approximating service conditions. He also showed a new testing machine which was designed for testing side frames under a combination of vertical, transverse and torsional loads approximating the most severe conditions to which side frames are subject in service. Within a few hours a side frame, by the use of this machine, can be made to do an amount of work equivalent to the work it would do under a car in many years of operation.

The trip to the Granite City Works was undoubtedly of value to the men of both the Operating and Sales Departments, as the meeting showed that all are working to the same end, and each was given a better insight into the problems of the other. The salesmen were appreciative of the various courtesies extended to them by the management at Granite City during the stay there.

Without question the meetings in Chicago and Granite City were the most conclusive and instructive of any similar gatherings ever held by the American Steel Foundries.

## THE HISTORY OF THURLOW WORKS

By

JOHN W. PORTER, Wheel Process Inspector, Granite City Works

**S**ITUATED in the center of a region rich in historic lore, where the landmarks, buildings and streams are so intimately connected with our Country's fight for freedom and the early days of the Republic, the employes of the Thurlow Works of the American Steel Foundries, located in the City of Chester, Pa., are as proud of the history of the Plant as they are of the locality's contribution to American history.

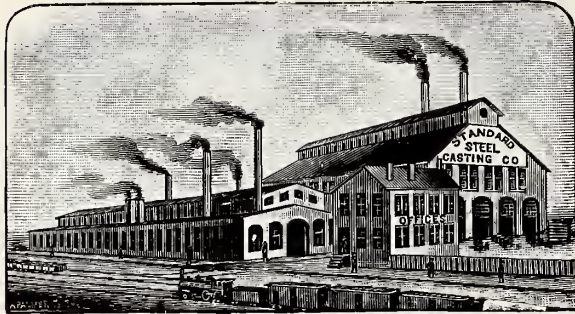
Within a mile of the plant, William Penn, the founder of the great State of Pennsylvania, first set foot on America's shores.

Within a radius of twenty miles the first steel castings made in this country, which were of value commercially, were poured in the plant of the Wm. Butcher Steel Works, later taken over and now a part of the Nicetown plant of the Midvale Steel & Ordnance Corporation.

It is the proud claim, however, of the Thurlow Works that they produced the first Acid Open Hearth Steel Castings manufactured in this country on a commercial scale.

Built about 1882 for manufacturing castings from steel by the crucible process, the Thurlow Works, at that time called the Standard Steel

Castings Company, was purchased in 1884 by Robert Wetherill and Associates. Robert Wetherill became President and General Man-



Thurlow Works in the Early Days

ager and Fred Baldt became Superintendent. The most intricate work attempted in steel castings at that time were small driving boxes and crossheads for locomotives. These were poured, as at present, in dry sand molds, but the plant was not equipped with such modern machinery as traveling cranes and, therefore, the molds were moved into and out of the drying ovens by hand. No flasks at that time were over four feet square. In order to pour the molds these were arranged in a circle around a jib crane and poured from the ladle held by the jib crane.

There was cast in 1888 a six-inch breech-loading rifle, weighing approximately 11,000 lbs., this being the largest steel casting so far made in this country. The manufacture of

this casting had been authorized by an Act of Congress during the preceding year. (Refer to photograph on page 11). This cast steel rifle withstood a test of ten rounds under service charge, but with a slight increase in the diameter of the barrel.

The size and intricacy of different castings made at Thurlow grew rapidly from that time on so that it can be truthfully said that the Thurlow Works has been the pioneer producer of most everything made of cast steel. Side frames, bolsters, crossheads, rocker-arms and driving boxes, all were made in quantity at Thurlow in the early days of their use.

It was at Thurlow that the first cast steel locomotive frames were poured about 1893. The order for these frames was taken by S. A. Watson, General Sales Agent, of the Standard Steel Castings Company, and the castings consisted of afterframes for some Chicago, Rock Island and Pacific Railroad Switching Engines. The first complete frames for a locomotive were made at Thurlow for an engine being built at the Baldwin Locomotive Works in Philadelphia for the Delaware & Hudson Railroad.

Thurlow is the home of the Dunn Stockless Anchor, this anchor being the invention of Admiral Dunn of the U. S. Navy.

The present output of Thurlow consists of locomotive and marine castings, together with the larger industrial castings, namely, housings,



Thurlow Works as it Now Appears



cylinders, etc., in fact, when no other plant can make a casting it is sent to Thurlow.

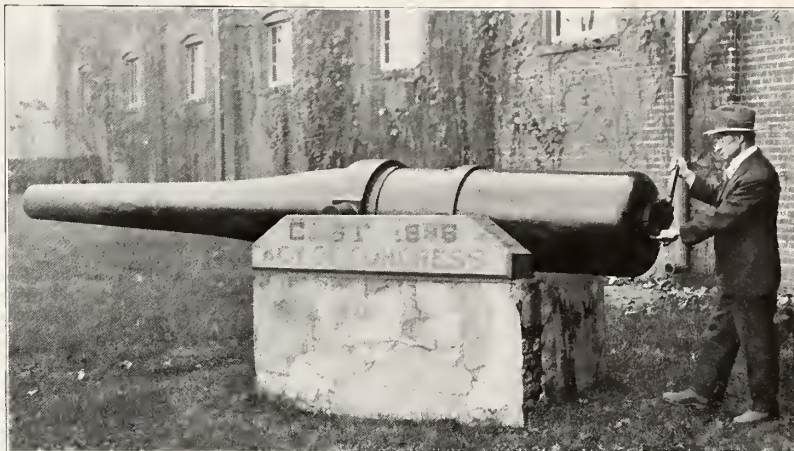
In the early nineties the Standard Steel Casting Company (Thurlow Works) became one of the plants of the American Steel Castings Company, the other plants of this concern being located in Alliance, Ohio, Pittsburgh, Franklin, Sharon and Norristown, Pennsylvania. Thurlow Works became the headquarters of this, the first combination of Steel Foundries in this country.

In 1901 the American Steel Foundries was organized and Thurlow Works, with the other plants of the American Steel Castings Company was absorbed into the present organization.

The successive Managers of the Thurlow Works have been:

Robert Wetherill	S. A. Watson
Daniel Eagan	A. S. Blagden
Frederick Baldt	John I. Reid
Samuel Wallace	F. C. Henke
J. Turner Moore	R. S. Munson

With the exception of Daniel Eagan and Frederick Baldt, who are deceased, all of these men are still connected with American and British industry.



Six-inch Breech Loading Rifle

There are quite a number of employees at Thurlow Works who have been connected with the Works for a number of years, some even having helped to erect the plant. The traditions that these men relate and the pride with which they tell of the difficulties encountered and overcome in the early days of the Steel Casting Industry have instilled in all employees at Thurlow a feeling that the personnel of their organization is capable of successfully producing the most difficult and intricate steel castings that can be made.

*(At the time the author was engaged in writing the foregoing article, he was a member of the Thurlow Works, later being transferred to the Granite City Works of this Company.)*

## THE HOME GARDEN

By

H. E. OLDEN, Traveling Auditor, General Offices

IT is estimated by the National War Garden Commission that the vacant lot and back yard gardens produced in the year 1917, \$350,000,000 worth of food. Let us hope that the impetus given the Home Garden Movement has not been spent in vain, not only for the good of the community, but for the health and profit of the individual, and the satisfaction derived from the production

and use of Fresh Home Grown Vegetables and Fruit.

It is hoped that the Garden Hints in this article will help the amateur gardener to make a success of his garden. They are based on practical experience of an amateur gardener who has realized the health and profit of the garden, the beautifying of the home by the Vegetable, Fruit, and Flower Garden. A noted

Chicago Minister once said "show me a man's home and I'll tell you if he is a Christian," and surely the man who cannot appreciate the beauty of the growing garden, the blossoming of the fruit, and the marvelous coloring Mother Nature has given to the flowers, or who cannot enjoy early green peas, fresh from the garden, surely has something lacking in his make up.

Three factors are necessary for the success of the garden, Work, Soil, and Selection of Varieties.

**WORK**—The preparation, cultivating, and up-keep of the soil; the thinning and pruning; the fighting of insect pests, and the gathering of the harvest of our labor.

**SOIL**.—Sand, Loam, or Clay brought up by fertilization and work to a condition which will force the growth and sustain the life of the plants. "Brought up by fertilization." We must realize in our garden that we cannot take from the ground without making restoration for what we take any more than we can draw checks on our bank account without making deposits. Thousands and tens of thousands of acres of land are today barren and worthless, due to not returning to the land anything in return for what we have taken from it. Of course, we can only use the soil we have, but we can improve it. Fresh stable manure will help even the richest loam and too much of it can hardly be used; 400 to 600 pounds can be used on a piece of ground twenty feet square. It should be applied in the fall and thoroughly spaded under, and in the spring well rotted manure can be applied and worked in the soil before the planting of any crop, or it can be scattered between the rows and worked in with a hoe. Loam is the best garden soil. Sand with manure will give good results. Clay is the poorest, but is always greatly improved by well rotted manure or "Humus," that is, vegetable matter; wood ashes, worked in well, also greatly help. Heavy wet land or land which has long been unused and, especially, town lots, are apt to be sour. This can readily be determined by placing a handful of the soil

in a cup, filling the cup with water, allowing it to stand a few hours. A piece of blue Litmus paper placed in water, if the soil is sour, will turn to a pinkish or red color; if the soil is free from Acid, it will remain blue. A pound of air slacked lime for every 30 square feet scattered over the ground and worked in when the ground is being prepared for planting will remedy this condition.

It is often difficult to obtain well rotted manure for spring use; in such cases commercial fertilizers should be used which are quick in action and give plants an early start. A fertilizer containing three to four per cent Nitrogen, and eight to ten per cent of Phosphoric Acid is about right for the average garden. If any Potash is contained in the fertilizer so much the better, a dressing of from three to five pounds per ten square feet just before planting and well worked in the soil will prove of great benefit. Seeds or plants must never be in direct contact with the fertilizer. Thorough mixing of the fertilizer with the soil is essential.

Another desired fertilizer called Compost can be home made. It is prepared by placing in a pile layers of garden rubbish, leaves, weeds, the skins and other unused portions of fruits of vegetables. These layers should be about one foot thick and between them a layer of about one inch of soil, which will help to rot the vegetable matter. This pile should be accumulated all through the year and in the spring will be in good shape to dig into the garden. Leaves are especially good for this and it is almost criminal in our cities and towns to see the tons of leaves burnt in the fall, which would be worth hundreds of dollars to the gardener in the spring.

The sweepings of the pigeon lofts or chicken coops make probably the most valuable fertilizer, more especially for strawberries, but it must be used very sparingly.

**VARIETIES**—There is just as much "blue blood" and "breed" in the vegetables, fruit, or flowers as there is in horses, dogs, cows, or any other animal. No dairy farmer would think



of stocking his farm with "White Face Herefords" nor would the stock raiser think of raising "Jerseys," and no fruit grower would plant "Kieffer" pears for table use, or "Seckel" pears for canning; again the dairy farmer would not select high dry land but would go to the lowlands, which would give him grazing land for his stock, and the fruit grower would not plant pears on a sandbank, or peaches in low wet land, and even in the Home Garden to an extent this would hold good. Care should be taken to provide the greatest sun exposure for the crops which need it most. Tomatoes and eggplants require the greatest amount of sunshine to ripen their fruit, while lettuce, spinach, etc., require less.

Why do we not all have a garden? Generally the answer is, "I don't know anything about it." Try it one season, and the next year you will be a gardener. Ask advice the first year, and the next year you will find out what practical education has done for you. Again we hear, "I have not room." Just try on the twenty-five square feet of ground you do have, and see all you can get from it.

## Plant a Garden!

*(The above article is the first of a series of papers which the author has prepared in order that readers of THE OCTAGON who are not acquainted with Gardening may be able to apply some of the points covered, this season.)*



The establishment of what is known in the Sacramento Valley of California as the "duck patrol" over that section of land on which rice is cultivated, has proven a success. Owners of lands comprising about 35,000 acres (which were once a lowland, hardpan waste, later flooded and devoted to the cultivation of rice) are finding it cheaper to pay fifty cents an acre for this airplane patrol, which begins about September 1st and ends about December 10th, than have their rice eaten up by wild ducks. It has been

estimated that each duck destroys a pound of rice per day or 100 pounds during the migratory season of 100 days, which, with rice at sixteen cents per pound, means an annual loss of \$16.00 per duck. Three planes can effectively keep the ducks away from 35,000 acres, giving the airmen a gross income of \$17,500 for approximately 100 days of flying. However, the low altitude at which they fly and the heavy, moist atmosphere overhanging these fields do not render flying as attractive to airmen as the price would indicate.

Air is to be applied instead of oil in the case of some delicate, high-speed machinery. The current of air is produced by means of a revolving collar, to which the air clings. About the collar are loosely fitting shoes, which are free of motion. As the air enters, the head of the shoes turns downward, leaving wedge shaped openings, through which more air is drawn, until finally a very thin wedge of air surfaces both parts.

Holland, feeling the need for expansion, is starting the stupendous task of tying up the Zuyder Zee to create farms. A thirty mile dike is to be built across the outlet and a dam in the Northern end, where, in some places, the water depth varies from eleven to thirty feet. Millions of trees are now being cut and their branches lashed together into bundles and sunk. Over this is to be laid a thick layer of crushed stone, which will eventually reach a height of from sixteen to eighteen feet above water and be wide enough to accommodate a double track railway line. The cost of this operation will amount to \$125,000,000, and it will take about thirty-five years to complete it, but 500,000 acres of land will be reclaimed.

In Cincinnati, there has been adopted a new device for protecting firemen when on duty. A helmet, extending over the face, and a rubber tube, containing water, wound around the neck of the fireman, do the work. By pressing a button, a spray of water bursts from the projecting edge of the helmet, forming a watery curtain about the man. By operating another automatic device, fresh, washed air is forced into the helmet, enabling the fireman to breathe freely in the midst of flames. When this was tested out, the fireman, after remaining ten minutes in a dense flame, came out unsinged.

You can't spatter mud on the other fellow without getting a little on yourself.

Avarice blinds our eyes.

## WHO'S IN THE AMERICAN STEEL WHO THE FOUNDRIES

Mr. L. V. Day, Works Engineer, East St. Louis Works, began his career with the American Steel Foundries, Sept. 1, 1909, in the Engineering Department, at the Chicago Office, remaining in that department until Nov. 1, 1915, when he was appointed Night Superintendent of the Forge Shop at the Indiana Harbor Works, serving in that capacity until Dec. 1, 1917, when he was promoted to Works Engineer of the Forge Shop, and on March 16th, 1920, was transferred to the East St. Louis Works as Works Engineer to fill the vacancy made by the resignation of the former Engineer.

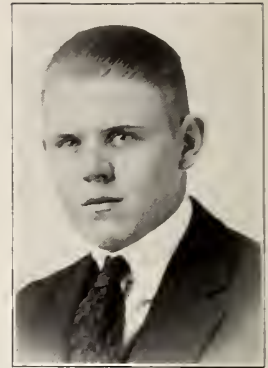


General J. Gentry, Chief Watchman at Chester, is a native of Kentucky and well upholds the reputation of that State for the gallantry of its men. Prior to his present job, General Gentry spent many years in the Revenue service, where he figured in numerous raids upon moonshiners in Kentucky. It looks most like the "Chief" has changed his vocation to that of running

down the fair sex, and all the boys at Thurlow agree that as a "ladies man" he has no peer. General Gentry has been with the Chester Works four years.

Mr. Rud A. Eidam, (otherwise called "Fat") is C. M. & A. Foreman in No. 2 Foundry at Indiana Harbor Works, employed on the Night Force. He began with this Company as a Time Keeper, in 1917, and by keeping an eye on the various methods of Molding, was transferred to the Molding De-

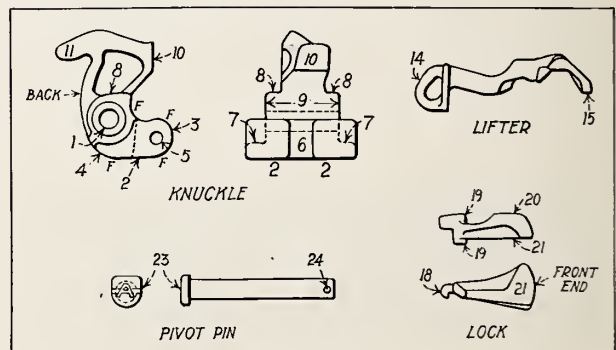
partment, as Assistant Foreman. Then turning attention to specializing in Welding and Burning Heads of castings, resulted in his taking complete charge of cleaning all castings produced in No. 2 Foundry. Being a bright young man, with plenty of "pep" in his work, he is naturally popular with fellow workers. Mr. Eidam is not married.



### COMMON SHOP TERMS

By  
E. P. KINNE, Coupler Department  
SIMPLEX COUPLER PARTS  
KNUCKLE

- F.F.F. KNUCKLE CONTOUR
1. PIVOT PIN HOLE
  2. FRONT FACE
  3. NOSE OF KNUCKLE
  4. HEEL OF KNUCKLE
  5. LIGHTENER HOLE
  6. LINK SLOT
  7. SHOULDER
  8. BUFFING SHOULDER
  9. DISTANCE OVER HUB OF KNUCKLE
  10. LOCKING FACE
  11. KNUCKLE TAIL



### LIFTER

14. LIFTER TOP
15. LIFTER TOE

### LOCK

18. ANTI-CREEP HOOK
19. TRUNNIONS
20. LOCKING FACE TOWARD BAR
21. LOCKING FACE TOWARD KNUCKLE

### PIVOT PIN

23. "D" HEAD
24. COTTER PIN HOLE





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No. 15

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employees with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of The Octagon

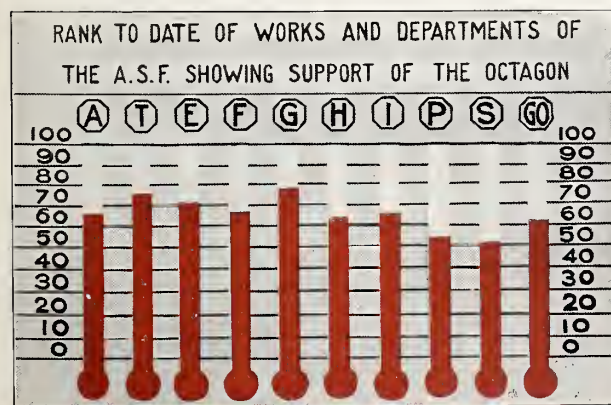
K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

### ASSOCIATE EDITORS

#### Works

LESTER D. COX	...	Alliance
GORDON MACDONALD	...	Chester
W. J. HESS	...	East St. Louis
H. L. LEYDA	...	Franklin
H. R. MCCOY	...	Granite City
J. MCCLUSKEY	...	Hammond
L. F. ENGLETON	...	Indiana Harbor
J. B. DAVIS	...	Pittsburgh
A. E. MOSES	...	Sharon
D. T. STERLING	...	General Offices



From the inception of The Octagon to March 1st

## Accomplishment

The truer measure of success is accomplishment. It is a deeper source of satisfaction than money. The man or woman who doesn't accomplish anything doesn't get much out of life. I believe most men will make good if they find the work they are happy in doing. The mere routine job-holders may seem to disapprove my theory, but I don't think so. The fact is, they seem to be happy just drifting. Year after year they go on in some minor position, always thinking they are going to pull up to something better, but they never do it. They are quite comfortable; the job is easy for them; they just drift along. They don't get hold of the oars, brace themselves and pull up the stream with every ounce of energy; they slip along until they float into some quiet place—a by-water—or else go over the falls, and nothing more is seen of them. Ambition is something more than looking at the point you want to reach; it is taking off your coat and pulling and dragging your boat up the stream. Before the outbreak of the War most of us were drifters, trying to get more out of life than we put into it, as though we could go where we liked without any sense of responsibility, without guidance,—because if we assumed any responsibility, our pleasures were curtailed. When War overtook us, however, we one and all tried to compete in unselfishness. To men of fighting age came the responsibility of dying, that women and children might be safe; to those who could not fight, the responsibility of working overtime and without pay, the giving of their health, their wealth, themselves, to find, in the end, that by adding to their responsibilities, their own efficiency and capacity were increased. They found that the possibilities of their endurance and their ability to absorb new knowledge were greater than they had ever dreamed of. Those were breaking days but they are no more and we must take up the task of rebuilding what was shattered. Shall we work less honestly for others now that death has ceased to threaten? What are you planning to get out of life? What you give to life you will get. (C. C. Taylor, Alliance Works.)

No progress is made without experiments. Although experiments may take up your time, lend a willing hand in performing them. If you can think of any improvements or can make any suggestions for bettering THE OCTAGON, send them to the Managing Editor.

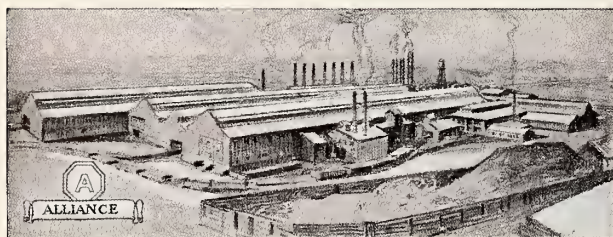
Criticism, like Charity, should begin at home.

A thirst for knowledge did not cause people to vote dry.

One way not to make headway is to be stuck on yourself.



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

"THINGS THAT YOU SEE AND HEAR AROUND THE  
PLANT EVERY DAY"

"Cuz"—on Coreroom crane without his usual chew  
of "Five Brothers."

Geo. Alston, and his dry chew.

McKee, "The Shimmy Kid," shimmying.

Carter, Breaking the speed limit.

Biery, "The man of the hour."

McLean, "Tell me that story that Odum told you."

Brew, "Goodnight, That's nothing."

Cox, "Any news items?"

"Sammy" Reichart, looking for cracked castings.

Roy Funkhouser, Passing it on.

Buck Buchannon, Timekeeper, has been seriously  
ill with tonsilitis.

Elmer Orr, Storekeeper, just recently returned to  
work after a long period of illness.

Says Mr. Stewart to Mr. Davidson, "Have you  
any children?"

Mr. Davidson, confusing the question with one he  
is continually asked, replied: "Five Brothers is  
all."

Floyd Johnson, of the Storeroom, is the proud  
father of a ten pound baby girl; also, Ferdinando  
Ringler, of the Storeroom force, has a fine seven and  
a quarter pound baby girl.

A. E. Gehret, formerly connected with this  
Plant, has been enjoying a trip through the South.  
Several of his friends received cards from him  
recently from Jacksonville, Fla.

G. L. Alston, A. Robertson and C. McLean were  
visitors at the Cleveland Automobile show.

William Martelle, brother to our "Bill" Martelle,  
Melter on platform, has arrived in Alliance from his  
ranch in Montana and is now employed in our  
Ladle Department.

Messrs. Glenn A. Wilt and Robert L. Satter-  
white, Special appren-  
tices from Franklin  
Works have been  
transferred to this  
Works.

Harold Rosenberg,  
our Supply Agent, had  
quite a thrilling ex-  
perience with a mouse  
recently. According  
to his story, it took a  
broom and a piece of  
lumber to kill the  
thing, (after it had  
crawled up his trouser-  
leg).



Dan Stoika, Watchman, seventeen  
years' service at Alliance





W. C. Brown, Construction Engineer, eight years' service at Alliance

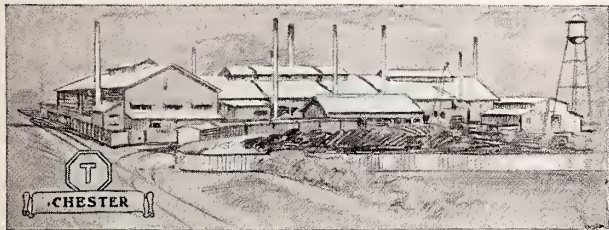
The subway leading from the clock room to the entrance of the Ladle Department was recently given a new coat of WHITE-WASH. To make yourself feel as if you were on the "Great White Way," all you have to do is just to walk through this subway and you will get the feeling.

A. B. Attler, Second Helper on Platform, took a few days off recently, and when he returned, we all

smoked good cigars. Congrats, Dan.

Andy McKee is glad that his vocal efforts are appreciated by his friends. We are inclined to believe that the inspiration for these efforts came from the iron tank.

What was meant to be a joke on our Works Manager, turned out to be a joke on the joker, so Mr. Robertson says. Preparatory to a recent bowling game a large steel ball weighing sixty pounds, used on annealing cars, was fixed up and taken to the bowling alleys with the view of having the Works Manager bowl it. All preliminary scheming was for naught. Persuasion and inducements to get him to pick it up were futile. *He would not bite!*



## Chester

John Queen, No. 1 Dry Floor, and a local preacher, is greatly interested in the Pattern Shop meetings during the noon hour. John seems to think we have time for everything but the Lord's work.

Harry Johnson, Dry Floor Inspector and center fielder SUPREME on the base ball team, has returned to his job after being off sick.

Mr. Augustus S. Bladgen, who was Works Manager at Thurlow Works for several years, has recently been elected Vice President and General Manager of the American Dyewood Corporation and a member on the Board of that Company. This item will no doubt prove of interest to his many former associates at Thurlow Works.

The employees of Thurlow Works held their Annual Shop Night at the Y. M. C. A. in Chester, under the auspices of the Works Council.

The following Program will give some idea of the extent and nature of this delightful annual entertainment:

## OVERTURE

### AMERICAN STEEL ORCHESTRA

D. B. Grady.....	Violin	James Martin.....	Violin
W. J. Brown.....	Saxophone	H. Hickling.....	Flute
John Woolley.....	Clarinet	D. H. Jackson.....	Cornet
W. H. Woolley.....	Piano	Wm. Woolley.....	Bass Viol
Ernest Woolley.....	Trombone	W. W. Weller.....	Drums
Pop Brainard, Comedian		H. Brainard, Songster	
Solo.....		C. G. Morgan	
Selection.....		Ellwood Nichols, Piano	
Recitation.....		William Kennard	
Solo.....		James J. Ewing	
Selection.....		American Steel Band	
Solo.....		Ben Price	
Selection.....		"The American Four"	
Comic Songs.....		Harry Hickling	

## "THE SPIRIT OF 1776."

BY

"Steam Kid" Garvey "Baldy" Carr "Oil Can" Eyre.

Committee in charge: C. W. Williamson, Chairman, Gordon Garling, R. H. Coyle, Wm. Kennard, John McAllister.

Refreshments: Edward Miles. Judges: Wm. Foster, Chief, F. J. McGuigan and John Green.

## NOTES

Clem Morgan's solo, "Tired of Me," made a big hit.

Bill Kennard's two recitations displayed his versatility as a reader, first having his audience in tears, then convulsed with laughter. Bill received first prize—a beautiful head of lettuce.

"The American Four," (Bill Woolley, Dan Jackson, Don Grady and Ben Price) were forced to respond to several encores.

Harry Hickling sang well a number of old English Comic Songs, followed by Ben Price, who sang, "That Old Irish Mother of Mine."

# THE OCTAGON

Jim Ewing's solo brought forth round after round of applause.

Pop Brainard kept his audience in a continual uproar with his Irish jokes, interspersed with snappy songs. "Like father, like son," could be well applied to the case of Pop and his son, Harry, when he sang "Marjie."

The Plant Orchestra, which is now composed of ten pieces, entertains every Thursday at noon in the Pattern Shop. These little impromptu entertainments are very popular among the employes, dancing and singing also forming part of the program. The Orchestra has recently received the support of Ward Weller and his drums and Bill Brown and his saxophone, and Horace Hickling with his flute.

Isaiah Lewis, No. 1 Foundry Rammer, looks over the Octagon news from St. Louis every month to see how his old friends out there are making out.

Elmer Burke, No. 1 Foundry Molder, is becoming quite efficient in shooting blue rocks and will be soon as good as any wing shots of the West End.



E. Bigger, Machine Hand, twenty years' service; A. Vespen, Flogger, one year's service; F. McGuigan, Foreman, thirteen years' service; Jerry McVey, Inspector, eighteen years' service (C. & M. Department group), Chester

Mat Hogan, No. 1 C. & M., and Dave Garvey, of the Steam Hammer Reds, failed to show up at the Shop Night and put the Spirit of 1776 across with Baldy Carr and Oil Can Eyre.

Our C. & M. workmen seem to realize the danger pointed out to them by our Safety Inspector, Clem Morgan, in not wearing their Safety Goggles, as they are wearing them at all times now.

Thurlow has discovered a cartoonist in the ranks in the person of Harry Van Riper, No. 2 Foundry Molder. Harry is very clever with the crayons, as some of his recent cartoons will testify.

Last summer in the town of KESTNER a BAKER named SPELLACY thought he would enjoy a LARK-IN the WEST; so cleaning his trusty CARBINE with TURPIN-tine, he left with Pat Corbett for McALLISTER to SLAWTER GARLINGS. Reaching their destination they hired Mexican FRANK, a former Scout of CARRANZA'S as guide. Striking across country, they went up an INCLINE, from the top of which they saw a WHITE pig PENN-EL shaped, which they thought very odd. It being full of BROWN melons, they procured an empty BARROW and loaded some in a passing VAN-RIPER melons they had never seen. As the sky began to get MOONEY they stopped and cooked MURPHY's with a MAJOR BURKE, who said GRACE, and that night they slept beneath a BUSH. One of them put his feet too close to the fire and received some bad BURNS, all of which you can REED about in a letter from MIKE MURTAUGH to BERT BLANTON.



Miss Kathryn M. Hodgson, Stores Clerk, three years' service at Chester

Frank Barder, No. 1 C. & M. cranerunner Jim Gallagher, Coremaker, J. O'Brien, No. 2 Foundry Molder, Mose Thompson, No. 1 Foundry Flask Fitter, Harry Coburn, of the Yard, Elwood Bigger, No. 1 C. & M., and Wm. Baumgart, No. 1, C. & M. Flogger, have all returned after an absence on account of illness.

Ben (Pretty) Hammond of the Order Department made his theatrical debut with a musical comedy in Upland the other night entitled "The New Minister." He took part in the chorus and, believe Muh, Ben is some Chorus Man.

Bill Foster and John Brooks are sure good Hoss players when they get working right, but they don't seem to be able to get working right, only now and then, mostly then. When a man bids a Hoss and catches his partner with the right, left and ace, we'll say he has some eyesight. How about it Boss? Krause can also let you in on the dope.

Dan Jackson is the Jonah of the Fishing Club recently organized at this Plant. Let's hope you make a better catch next time, Dan. You weren't the only one that had hard luck.



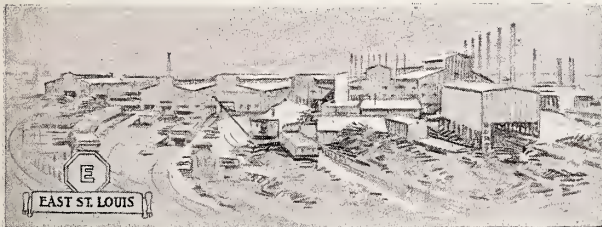
It is with sincere regret that we announce the death of Mr. and Mrs. Chas. Wood. Mr. Wood departed this life on January 26, 1921, and Mrs. Wood on February 2, 1921, just one week later, both deaths caused by pneumonia. Mr. Wood was connected with the American Steel Foundries for twenty-five years. Another death that has taken place is that of Mr. Frank Rodgers, who for twenty years had been a member of this Works, having served as Wash Mixer. Both Mr. Wood and Mr. Rodgers gave their best to their work and in return received the confidence and esteem of their fellow workers.

Nick Paul, Foundry Labor Foreman, was called to Phoenixville, Pa., to see his sick brother.

Terah Gentry, has returned to Thurlow as Night Watchman, Ernest Harrington, formerly with the Pennsylvania Seaboard Steel Corporation is now our Pattern Foreman.

Mr. Carbine, No. 1 Foundry Molder, is gradually getting down to weight and has issued a challenge to any 90-pound man in the Plant.

Skinny Voschelle, of the Repair Department, was an enthusiastic rooter at the Basket Ball game between the Executive Force and Repair Shop at the "Y" Shop Night.



## East St. Louis Works

Mike Jerca, who drives the pattern shop "Special," is reporting for work on time again.

Walter Glatthaar, Pattern Maker, who served his apprenticeship at this plant, is back on the job again.

Mr. Dan Hawley, who has been with the Laboratory since August, has taken the position of Routine Chemist.

The many friends of Miss Katherine Murphy of the Accounting Department, extend to her their sympathy in her sad loss, the death of her father.

C. Prather is the proud father of a new arrival. Hope he grows up to be like his dad. (Where are the cigars, Charlie?)

Mr. Robert Bay, our Ladle man, has the record for Pouring heats and the way he got it is because he puts all of the steel on the inside of the mold and not on the outside.

Our Foundry Clerk, Mr. O. Nance, has been on nights about eight weeks.

Gus Wettig, Commissary Clerk, has built up quite a tobacco and cigarette trade.

We claim to have the champion eater at East St. Louis. Of course we would not like to mention any names, but he is stationed in our Clock Room as day Watchman.

Mr. Ray, Head Timekeeper, was seen recently doing K. P. in the Works Cafeteria.

Mr. Jack Traxler, Superintendent of the Open Hearth since the first of the year, has also taken another responsibility upon his shoulders. He has married.

Mr. Charles Schatzle, Melter, owns a Chevrolet that has all other cars of that make backed off the map for speed. Charley lives about fourteen or fifteen miles from the Works and claims he makes that distance here in twenty minutes. We feel that he should be made a member of the Ananias Club.

Mr. Zack Archer, Chef de Luxe, in charge of the cooking at the Cafeteria, is some Chef. Mr. Archer was formerly with Eddie Carr's restaurant, known all over the State of Illinois for its famous cuisine.

We now believe we have the best and most up-to-date Cafeteria in Southern Illinois for our employees. It is the last word in automatic kitchen appliances, sanitation and arrangement as to handling crowds. This cafeteria has certainly filled a long-felt want.



Morris Conners, Brick Mason, East St. Louis Works, five years; Eddie Nolae, Brick Mason, five years' service at East St. Louis





Left to right: George C. Winters, Trainmaster, 18 years' service; O. Arbogast, Stocker Foreman, 9 years; A. H. Kuhlman, Assistant Yard Master, 10 years; L. Birk, Track Foreman, 9 years; J. E. Robertson, Yard Master, 5 years; P. Lauff, Yard Labor Foreman, 3 years. Granite City Works



C. & M. Clerks at Chester: Emil Huber, John Esslinger, James Glatts and H. H. Fithian



Men Working on Oil Line at Sharon



John Salloski and Joe Barone; Floggers at Pittsburgh



Athletic Association Meeting at Indiana Harbor: P. Jerner, Machinist; T. Boshold, Distribution Clerk; R. C. Moss, Assistant Works Auditor; J. Suttie, Assistant to Works Manager; M. Rintz, General Foundry Foreman; R. Davis, No. 2. C. M. & A. Foreman; W. H. Winter, Works Auditor; Charles Peterman, Finisher; Otto Stumpf, Chaser, No. 1 Foundry, and Wm. Mauer, Chaser, No. 2 Foundry



James J. Tracy, Tool Repairman, 6 years' service at East St. Louis





Milton Pfau, two years' service. Hammond



J. Hayes, Blacksmith, 3 years' service, and Dan Lynch, Helper, 2 years' service. Chester Works



Dravik, First Helper, Open Hearth Furnace, Franklin



Production Department, Indiana Harbor: (Front Row) F. R. Pattello, Schedule Clerk, 1 year's service, and L. F. Engleton, Production Clerk and Associate Editor, 7½ years' service. (Back Row) Harold Wallis, Production Supervisor, 10 years; Carl Boebel, Blue Print Clerk, 4 years, and C. J. Ruschli, File Clerk, 1 year



B. F. Harrison, Foreman, 11 years' service; R. G. Smith, 1 year; W. Smith, 1 year; C. E. Hunt, 1½ years, and George Smith, 5½ years. Pattern Changers at Alliance



Main Office Group at Alliance. Left to right: (Top Row) Vernon Pittman, 3 years' service; Clyde Morgan, 2 years; Charles Bankerd, 1 year; Russell Reese, 2 years; J. E. Ryan, 16 years; W. L. Freed, 1 year; J. R. Temple, 7 years; C. C. Taylor, 1 year. (Sitting) Grace Weis, 17 years; C. B. Alexander, Assistant Works Auditor, 9 years; Elizabeth Holland, 5 years; Lucille Gerardot, 2 years; Hazel Reeder, 4 years; G. L. Alston, Works Auditor, 13 years



Mr. Harry J. Bertschman, formerly of this works, is with us again in the capacity of Sample Checker.

Mr. Edward Smith is back at the old stand putting the final O. K. on Economy Draft Arms.

Bill Thompson is now wearing Safety Goggles instead of the Respirator he wore at the Aluminum Ore Company. Bill is now on the still hunt for cracks and defects on the Roughing Floor. To apply an old maxim. "We hope he has poor luck in his quest."

There's a world of romance at East St. Louis Works these days and we are going to have a real wedding in the early spring—it's the gospel truth,



SHE told me so, and if you don't believe it, "ask Bill," you know Bill, he's the Associate Editor for THE OCTAGON here at East St. Louis and he knows all the interesting news about the Works. Bill is devoted to hunting up news for THE OCTAGON and keeps most busy, so busy he never finds time to write anything about himself. Bill

believes in quiet Sundays, sometimes just taking a stroll in the park and a rest upon a rustic bench—so you see him here. We think it's no more than fair that our Editor should have a little write-up once in a while. The young lady, did you say,—Oh, SHE is a friend of Bill's.

Our Machine shop apprentice, Joe Raley, has resumed his work after absence due to sickness. Mr. J. Kennedy, our Boilermaker, is with us again after an illness.

The Machine Shop Tool Room man, George Ebert, does not miss an evening show. George knows all the movie stars.

We understand that another Assistant Foreman in the C. & M. Department has fallen under the deadly aim of Cupid's Darts and expects to take the leap this Spring.

Introducing Mr. Carzmore W. Shaw. Welcome to our happy family, Mr. Shaw. Carzmore W. has left us many times before, but somehow or other always manages to find his way back.

Frank (Shorty) Curran, Crane Foreman, is learning the "Camel Walk."

The fellow employes of Ernest Randell, Piece Work Chipper, who died last month, presented a beautiful floral wreath for his funeral.

"I'm Longing For That Old Brown Taste," is now one of our popular melodies.

After many months of strenuous coaxing and kidding, we finally induced W. J. (Bill) Hess to admit that he is contemplating matrimony. Congratulations, old Top, we all knew you'd flop sooner or later.

The degree of results obtained depends on effort expended. Dominick Degnan, Roughing Floor Foreman, deserves a 100 per cent medal for results. He keeps the sand cleaned from the floor so well that when little Tommy Wilkinson wants a handful of sand to cover a weld on a casting he is forced to search beyond Degnan's domains for the coveted article.

We have two old bachelors on the waiting list we would like to get rid of. One is Harry Simmons and the other is Beauford Beasley. Both gentlemen are very efficient foremen in the Finishing Department and should be able to "Boss" a woman.

It was with regret that we learned of the death of the wife of Mr. Wm. Hawley, of the Engineering Department. Mr. Hawley has the sympathy of this Works in his sad bereavement.

Mike Smeskosky, better known as "bottom board Mike," announces the arrival of a new baby at his home.

Charlie Oswald, Metal Pattern Filer, has been wearing a broad smile the last few days. Reason—Charlie announces that he'll soon have a picture for THE OCTAGON Baby Page, as the stork left a 7-pound bouncing baby boy at his home. When do we smoke?

Jack, Chief Electrician, has caught the habit. He still makes trips to the Dispensary.



**Louis Pfeifer, Pattern Maker,**  
East St. Louis Works, six  
years' service



The Electric Shop employes had a hard time keeping one of their co-workers, Sam by name, in the Shop Feb. 2nd. They did not want six weeks more of winter.

Mr. W. Horton is now acting in the capacity of Contributing Editor of THE OCTAGON for the Core Room.



J. A. Long, Electrician, ten years' service. E. Walton, Electrician, two years' service at East St. Louis

If we ever saw a man and a tune out of place it was on the last frosty morning. Shorty Curran was stepping it off, gayly arrayed in a new straw hat and blithely singing: "In The Shade of The Old Apple Tree." You're extremely lucky you were not strung up for such an offense, Shorty.

The "E" on a casting not only stands for East St. Louis but for Efficiency as well. We are especially proud of the great "E" on every Six-Wheel Truck produced. When it comes to variety of castings produced MISCELLANEOUS should be written over our entrance in box car letters.

We are ready to start a Matrimonial Bureau to assist Dan Cupid in rounding up some of the slackers. A healthy pair of twins come in mighty handy when it's time to make Income Tax Returns.

It's an interesting sight to see some of the men here when they get THE OCTAGON. Some exercise great care in rolling it; others haphazardly trust it into the first pocket handy. We can almost judge a man's life by this indicator.

*Lost.* One city water connection somewhere between the furnace water lines and the reservoir pump discharge line. Anyone knowing the location of this lost article will please notify the pipe department.

The Children's Page, the new pictorial feature of THE OCTAGON, was received with much enthusiasm at this works and after careful and due deliberation, we have decided that the prize children of the U. S. A. have for fathers, employes of the American Steel Foundries.

We have with us again one of our old time pipe fitters, Mr. Michael Forhan.

The new tunnel steam line was put in operation the first of the month; the oil feed, return lines and air lines will soon be put in commission, when the old 2-inch by 4-inch tunnel will be abandoned.

Pipe Fitter Foreman John Cooper has resigned to go into the auto repair business in Texas. His brother, Harry Cooper, has been appointed to fill the vacancy. Good luck to both.

One of our new pipe fitters, Buskens, has been transferred to the Power House as Engineer.

From the sandy deserts of Arizona to East St. Louis is a long jaunt, but Robert J. Winning safely made the trip and has joined our organization in the capacity of Craneman. Robert J. has a "winning" smile and a "winning" personality, and if his name is a good omen he should easily "win" out. Welcome, Mr. Winning!

To stake out a course you must know the value of time,  
To accumulate the first dollar, you must save the first dime;  
To get out the steel castings in a large growing plant  
You must save both time and money—never say "Can't."

There, little pig iron don't you cry  
You'll be a Draft Arm by and by;  
Into the world of commerce you'll go—  
A little steel shape that brings the "dough."

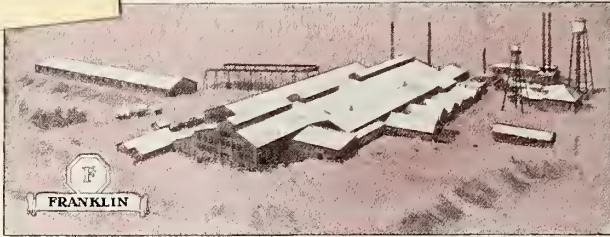
J. L. W.

Bob Thompson, formerly of the stock yards, is now Floor Man in the Foundry. Bob has lots of energy and his success is assured but he, no doubt, has discovered that double trucks are harder to wrestle and pin to the mat than hams, bacon and weiners.

The fact that 183 heats were made in No. 4 Furnace before it required any repairs to the back walls is going some and speaks well for the Mason Department.

No. 2 Furnace has been rebuilt and is again ready for operation.

# THE OCTAGON



## Franklin

Chick Singleton was made Acting Office Boy in direct charge of mail carrying to the Post Office. Here's his official call: "Chickie, Chickie, Chickie, it is time to go. Here's some Bills of Lading, don't be too slow."

Mr. & Mrs. A. Kerschner were recently blessed with a son and heir.

Larry Reese bought a ham the other day at a bargain price of 24 cents a pound. Larry paid for it as weighing 12 pounds, but when he got it home, upon re-weighing the most he could get out of it was 10 pounds. Will someone tell Larry if hams are weighed on an apothecary scale or an avoirdupois?

Mr. P. P. Allen spent a few days in Pittsburgh recently. His hand which was injured in an automobile accident some time ago is practically healed. Mrs. Allen who was injured quite seriously is getting along quite well.

Bennie Karns, our Payroll Clerk, is a Jack of all Trades, and can be seen on the job wherever there is any work to be done.

The sympathy of the entire Franklin works is extended to Walter Anderson, on account of the death of his mother which occurred during the early part of January. Before Walter was returned to Indiana Harbor, he was our Chief Inspector and was well liked by all who knew him.



C. Langford, Green Sand Foreman at Franklin, eight years' service

Don Plumer says it would be a good idea to have the levers on the Crane controllers marked like the pedals on a Ford, so that he could stop when he wanted to instead of trying to make the crane do the loop the loop or a tail spin. The other day he had old No. 5 going down the shop at a 2:20 clip when something happened to the carburetor and Don was for a few minutes "up in the air."

Harry Reed, who recently joined the Sacred Order of Benedicts, reiterates that it is a great life.

Harry Leyda is now a full-fledged member of the Royal Order of Buck Stenogs.

Miss Josephine H. Miller spent a few days in Pittsburgh recently.

Pete Eakin had the misfortune (?) to drop a small casting on his left thumb recently, and was necessarily excused from assisting in the shipping of some bolsters. Cheer up, Pete, suppose you had tried to ship the bolsters first, we would be writing an epitaph about you instead of a paragraph.



Don Plumer, Foundry Clerk, five years' service at Franklin Works

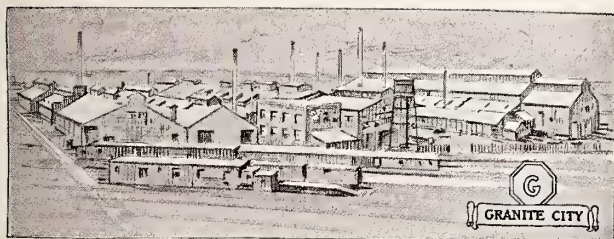
On account of the extreme moderation in the weather, which is remarkable for this time of the year, it is rumored that Joe Wagner and Charley Richardson are cleaning up their fishing tackle. That sounds good to us and is a sure sign of Spring, so here's hoping that if we have good weather now, it keeps up until summer comes once more. Although Joe and Charley do not profess to be in the Billy Luebert class, still they have some very fine catches to their credit and can surely coax the fish to bite, if they can be coaxed at all.

W. D. Elliott, former Day Engineer, and one of the oldest men in the employ of this company at this works, has been promoted to Night Watchman and is now "Monarch of All he Surveys" for 12 hours a night. Bill says that after you get in the Pattern Storage about 500 feet you can't see to survey anything, so he only goes there once every hour.



W. R. Stoughton, formerly Heat Weigher and Yard Clerk, who was recently taken to the hospital, is now at his home.

Ira Jones, who is working one shift on the boilers, is happy and contented as long as his package of Mail Pouch holds out. Although Ira is no "plugger," if you keep him chewing, he keeps right on "hitting the ball."



## Granite City

A. Hernandez, of the Foundry, was discovered looking for a 36-inch sledge handle to insert in a small hand hammer. He claims that the 16-inch and 18-inch handles are made for toy hammers only.

Mr. G. Mann recently was initiated into the Loyal Order of Fleas.

Mr. W. Brauer has been promoted from a Ladle-man to Foreman. The boys wish Walter success.

Ed Devaney has been working nights as a crane-man in the C. & M. Department for some time.

Messrs. W. McCullum and N. Merritt challenge any two men in the Plant to a "heat" loading contest.

A nine-pound male "Pickaninny" made his appearance at the home of Mr. and Mrs. S. Cleaves. Silas claims the young gent will be a Stocker in future years.

Mr. A. Navy, a derrick operator in the Yard has been transferred to the labor gang. Mr. W. Hagler has returned to this Works after a temporary absence of a few weeks. Mr. G. Harris has resumed his duties as annealer in the C. & M. Department.

Messrs. J. E. Robertson, G. Winters, O. Arbogast, G. Charbonnier, L. Sharrock, G. Herl, W. Johnson and L. Birk have interested themselves in boxing. Any one wishing for a few lessons can secure them free.

Mr. E. Robertson had a lot of trouble recently with sickness in his family.

Mr. W. Hampton claims the honors for attaching shoes on the sand slingers. He says he can put on more shoes than any two other men can in one hour's time.

Mr. Harry Clark, formerly in charge of the Reclaiming Department, has petitioned the Loyal Order of Fleas to have his name changed to Harriet since he has been placed in charge of the building just west of the Main Office.

Walter Brauer passed around White Owl Cigars to all his friends in the Foundry during February. When he was asked what the reason was he stated that he believed a person ought to pass around the cigars after being promoted.

The boys at the Yard Office have discontinued playing checkers. Lew Sharrock and Oliver Arbogast say that it keeps them moving and jumping too much.

Mr. J. E. Robertson, our Yardmaster, was presented with a pair of gloves on his birthday, honest-to-goodness home-made mittens, knit by his mother. Any person who has ever worn a pair of home-knit mittens knows what a useful present Ernie received.

"Hatchet" Genagy, an old time Locomotive Conductor at this Plant, who has been away for a few years, has returned to the fold as a watchman. He says that his wife has issued an ultimatum to the effect that if he quits the A. S. F. again she will desert him. Hatchet says that he wants to give his order for a white service button right now, as he expects to be with us "for life."

Miss Margaret Hefton, our night nurse, plays a very popular musical selection called the "Camel Walk." Harry J. Kuhlmann, Night Contributing Editor, says he has been doing the Camel Walk ever since prohibition went into effect. By the way, Harry, when *did* prohibition go into effect?



Joseph, Jr., two-year-old son of Joseph Berry, Assistant Pattern Foreman, Granite City

On February 2, twenty-two members of the American Steel Foundries Sales Organization, including Messrs. G. E. Scott, First Vice President, W. J. Lynch, Third Vice President, and A. Walcher, Assistant to Fourth Vice President, arrived at Granite City for a tour of inspection of this Works. Others in the party were Messrs. Bell, Chambers, Cook, Darby, Ernst, Peirce, Richardson, Sadler, Sargent, Snyder, Spieth, Harris, Hopkirk, Kelly, Light, McNamara, Martin, Stearns and Stuart. Messrs. P. J. Ward, Works Manager at East St. Louis, Prof. L. E. Endsley and J. P. Begley, Chief Chemist, were also visitors.

The visitors were escorted through the plant in groups of four or five by Messrs. E. Walcher, W. J. Kelly, A. B. Fisher, E. H. Tinker and R. G. Sonquist. In each department the escorts were assisted by the Foreman in making our visitors feel at home.

At noon luncheon was served in the dining room on the third floor of the Main Office. Music was furnished by the Octagon Orchestra, which played its jazziest tunes, there being several encores and "requests for more" from the guests. Mr. Antonio Rodriguez was persuaded to leave his work in the Foundry long enough to sing a few solos. His first selection, "Alabama Moon," caused every one to pause in the enjoyment of the excellent food and listen intently. When the song was ended the applause was prolonged until he favored them with "Out Where the West Begins." Later he again sang by special request, "When you come to the End of a Perfect Day."

After the luncheon, while cigars were being passed Mr. E. Walcher called upon Dr. Harney for a talk, which resulted in the Doctor responding in his usual entertaining manner on the subject of "Relaxation from Business Cares and Worries the Greatest Aid to Efficiency in Work." America's business men, he stated, were being subjected to blows and buffetings in the business world, which affected them in a similar manner to those whose bodies had to stand vibrations of exploding shells in the late war. He, therefore, urged all to take as much time as possible from duties and seek real play. Said they would be surprised to find how easily their work could be cleared away after a complete relaxation and getting down to the business of play. Mr. Scott responded to Dr. Harney's talk and stated that he had always been in hearty accord with what Dr. Harney had just prescribed for business men. In closing he thanked the Granite City Organization for the splendid entertainment they had provided.

After luncheon the entire party visited the Testing Laboratories, where they witnessed the testing of a Side Frame and Drop Tests on Davis Wheels and extraordinary road tests on the Davis Wheel Testing Machine designed by Prof. L. E. Endsley.

Toward evening the entire party was escorted to the Jefferson Hotel, St. Louis, and later several attended a special chicken dinner at Carsonville in St. Louis County.



Luncheon given by the Granite City Works to the Visiting Officers and Salesmen of the A. S. F., who recently made an inspection trip to this works



## SIDE LIGHTS ON THE VISIT

Mr. Marion Crabtree was obliged to buy 42 plugs of chewing tobacco to keep the salesmen from trying to sell castings to our employees.

Mr. D. T. Harris complained very much while walking through the hot sands of the (desert) foundry, because the drinking fountains were so far apart.

Mr. Jack Stuart, our shining and brilliant light and brother Flea, spent a great portion of the day piloting all who would go with him, about the molding floors, where he showed them the vast number of patterns producing castings on orders, which he has recently received.

Messrs. P. J. Ward, Works Manager East St. Louis, and J. P. Begley, Chief Chemist, paid the Contributing Editor a visit late in the afternoon and inquired for Marion Crabtree, Open Hearth Supt. When the Editor was about to send for Mr. Crabtree they exclaimed, "Never mind calling him—just be kind enough to show us his locker."

After witnessing the drop test on a Davis Wheel to destruction, we are of the opinion that Mr. P. A. Martin would make a better peanut vendor than a gambler, when it comes to betting on how many blows a Davis Wheel will stand before breaking.

Mr. D. T. Harris was very much interested in Professor L. E. Endsley's theoretical discussion of the drop test as made on the Davis Wheel, and, after the Professor had talked for some thirty minutes to him on the subject, Mr. Harris politely interrupted him to inquire, "Do you get a neutral axis with each and every Davis Wheel sold?"

At midnight on February 2, a Special Meeting of the Loyal Order of Fleas was held in the Jefferson Hotel. Mr. E. Walcher presided and exemplified the work in all degrees. Mr. W. J. Kelly was secretary, while Messrs. Colson and Crabtree were prayer masters. Mr. J. P. Stuart, of New York City, and Charles Peirce from Washington, D. C., were proclaimed Fleas of the first water, while Mr. W. R. Chambers of Chicago passed the examination with more difficulty. Also, at a special meeting of the Fleas, held previously, Messrs. Charles Gorden, George Howard, Harold Smith and Dick Taylor were initiated into the secret mysteries of that loyal order.



F. Pieper, Scale Clerk at Granite City

The members of the Minstrel Troupe were entertained by the Works Council with a Theatre Party at the Orpheum Theatre in St. Louis. This was followed by a supper at the American Annex Hotel. The wives and lady friends of the Troupe and Council were included in the party and a very enjoyable time was had by all. Following the supper the Octagon Orchestra furnished music for dancing and this made every one reluctant to leave until a late hour. At this party Mrs. H. J. Fechte was presented with a handsome electric percolator, and her assistant, Miss Pearl Boyer, with a corsage bouquet, in appreciation of the services performed by these two in connection with the Minstrels.

Mr. J. Biesk recently was a very busy man, and did not have time enough to stop work for the paymaster. Joe missed out on receiving his check, which made him very peeved and furnished a lot of amusement for his fellow workmen.

Mr. Fred Lee, a sand mill foreman, is small in stature. Those who saw him in the Minstrel performance say he made up his height on the stage.



Linen collars came out in force during the recent visit of the members of the Sales Organization. Ed Duncan remarked that if he were placed on the Reception Committee he would be obliged to borrow a linen collar, too

N. Jenkins will soon be acquainted with every one in all the departments of the Plant, if he keeps on changing jobs.

Mr. Harry Miles recently won the proverbial Black Derby and the ton of coal, spinning yarns in the Foundry Office.

After evading the Darts of Cupid for many years, we were very much surprised to hear that the heart of our friend, Mr. W. J. (Bill) Hess, Contributing Editor at East St. Louis Works, had at last been pierced. We announce this bit of news from Granite City Columns, as we are afraid it might not get by Mr. Hess.

Mr. D. W. McGeorge of Chicago recently paid the boys a visit, before making the trip to Pittsburgh, where we understand "D. W." is to make his future home. Mr. McGeorge was very popular at Granite City and we all wish him success in his new position.

George Cooper gives excellent service in the role of waiter. George understands each diner in the dining room and has no trouble in pleasing them all.

Mr. W. Enos, our mail carrier and Office Boy, is bound to succeed in life as he grows older, because he is ever willing to do a good turn for his fellow-man, now.

Dominoes have lost their popularity as an indoor sport at Granite City. Lack of interest in the game is said to have brought them to a close.

"Doc" Taylor has added considerable zest to the playing of the Orchestra since purchasing his new "C Melody" Saxophone.

On February 2nd the ground hog was seen to emerge from the clock in the Storeroom, but it immediately made a hasty retreat into the main spring again, when it spied the cuckoo over near the door. Since that time the clock has been losing about twenty-five minutes every day.

Mr. George Cooper takes great pride in his record of service with the company. He has been on the job every day, except Sundays, for an entire year without once "laying off." Perhaps some of our readers can equal his record. If so, kindly notify the Contributing Editor at this plant and due recognition in the way of a special souvenir will be given each one whose record shows no blank spaces.



Marion Chism and William L. Smith, each five years service at Granite City

Mr. Cooper recently served supper at the Plant for the foremen, when our cook was ill, and made a big hit the nights he served spare ribs and sauer kraut.

The Granite City organization has a foot ball squad, which practices almost every evening. They never allow scrap piles to interfere with their playing. Some one remarked that it was difficult to distinguish between the pig iron piles and the pile of human beings, when the fellows are in a scrimmage.

Mr. Walter Brauer, formerly employed here as Ladleman, has been promoted to the rank of Assistant Foreman of the Foundry.

Mr. Okra Bayer, ex-service man, has accepted a job as foreman of No. 15 Sand Slinger. Okra has made a big hit with all the boys at the Plant.

Mr. Ike Cook, Foundry Office Porter, says he would rather be at work for the A. S. F. any old time, than be "out on a hike or fishin'."

Mr. Dave Coyle, of the Pipe Shop, came up on the Open Hearth the other day and informed the Contributing Editor that he was running a plumbing school and had one pupil. When questioned it developed that Dave had been assigned a helper and that he had told his helper the only way to learn plumbing and steam fitting was to do it. So he took him to the place where the plumbing was to be done and "turned him loose" with a couple of pipe wrenches and a few words of advice. When last seen, said pupil was progressing very well.



Mr. H. Russell, our "Gardener," has taken over his winter duties in the oil house. "Pop" says that if the mild weather which we had in February, still prevails throughout March, he will have flowers blooming by Easter.

Mr. Charles Heft has resumed his duties as Pattern Shop Foreman. Recently Charles spent about two weeks in the country visiting his sick wife.

Mr. C. Skinner recently attended the graduation exercises at Granite City High School, where his daughter graduated. Mr. Skinner states that the young lady is to attend Normal School and prepare to become a teacher.

List, all ye weary laden, to the tale of a rat! The Dispensary Record shows the following:

"No. 5236—L. L. Sharrock, Yard Dept. Clerk, Laceration of Middle Finger of Right Hand—Bitten by a Rat." And thereby hangs the tale.

Department Clerk Sharrock arrived at his office at the usual time and found eight or ten rats scampering around the room. Just then Ernie Robertson came into the room. He noticed Oliver Arbogast's lunch on a shelf and suggested that the rats might have been trying to get into the package. Sharrock reached up to take hold of the lunch, when Mr. Rat "nailed" him. Many of Sharrock's friends now call him the rat trainer, and ask him whether he has succeeded in teaching them "not to bite the hand that's feeding them."

Vallee Crabtree is about to desert the hot stove league. Vallee says he will root for the St. Louis Browns this year, as he is satisfied and well pleased since Cleveland won the 1920 pennant and World's Championship.

Mr. Harry Schramm, Shop Castings Clerk, has returned to work after an absence of several months.

Mr. W. Perigo has accepted a position with the American Steel Foundries in the role of Night Watchman. Mr. G. L. Coke has assumed the duties of Night Watchman and makes his headquarters at the time clock station at the employees gate.

Mr. J. T. Dawdy has posted an owl car bulletin near the time office for the benefit of those who wish to know what schedule the cars run on to St. Louis. "J. T." has been the "Information Bureau" for all new-comers for the last few years.

Mr. O. J. Spainhaner, of the Pattern Shop, is back again to his job after an illness.

Carl Canary has become interested in the Plant Orchestra and puts in his appearance on practice nights, which are Monday and Thursday evenings at 7:30. We hope Carl will find time to join the orchestra.

We are very proud of the two new steel cars which have just been placed into service for transferring steel castings from one Department to another.

Mr. Bill O'Hara, Electrical Foreman, now has to his credit in his department one expert bugle blower and one comic opera singer, namely: Messrs. Bell and Connor, respectively.

Mr. Frank Rotter, Machine Shop Clerk, Granite City Works, not only belongs to the E. B. A., but E. B. A. belongs to Frank, as he has three children, namely; Eugene, 8 years, Bernadine, 6 years and Adele, 4 years. No wonder Frank has always been so strong for E. B. A.

Our efficient sample checker, Mr. Dan Rittman, accounced the arrival of a new sample at his home. After carefully checking it, he pronounced the sample O. K., meeting with the most rigid specifications laid down by any daddy. Of course, it's a boy.

With six and seven heats coming out of the two furnaces in operation during January and February everybody has been obliged to be "right on their toes" to get all the work done. The Yard Department has been especially busy and Assistant Yardmaster George Winters has had his hands full. When anyone from another Department tries to borrow a laborer for a few minutes work, George is said to get excited and "talk like a sprinkling can" if you get too close to him.

Mr. Rivers Young, head of the famous rail cutting gang, has returned to this Plant from Alliance Works. He has a smile on his face like he has just come back home again.

Lewis Birk is the "busiest man what am." He has three track men, five laborers and three cleanup men, and the way he watches after them as they are working reminds one of an old hen and a scattered bunch of day old chicks.

Through a typographical error of the printers, the caption under picture of Mary Patricia Hackett, of Granite City, was incorrectly set up. It should have read, "Eunice Rosenfeldt, holding Mary Patricia, daughter of Mr. P. P. Hackett, Granite City."

It is reported that Mr. S. Jackson, electric welder in the C. & M. Department, claims that he knows all the streets between Edwardsville and Granite City. This is indeed a very remarkable achievement, if it is really true. Perhaps he can tell us the names of the main street of Nameoki and Mitchell respectively.

Albert Vasquez and his brother, Alexander, use a motorcycle with a sidecar to come to work. They make the journey from St. Louis to the plant in 25 minutes, whereas, it would take them over an hour to make the trip via street cars.

Mr. J. Williams, formerly a chainman in the Yard, has taken a position as sand blast helper in the C. & M. Department.

Mr. H. Doyle is acting night boss in the C. & M. Department, and J. Winters has been transferred to the day turn temporarily.

Mr. A. Wehlermann, one of our electricians, has returned to his duties, after an absence of several weeks, due to a sore hand.

Mr. Pat Doyle, in charge of the trucks at this Works, has been putting in some overtime lately; looks like First Division for Pat.

Mr. Fred Kolb, Pattern Maker and Works Council Representative of the Pattern Shop and Core Room, is also Mayor of Washington Park. Fred is a busy man these days and we understand that several streets are to be paved in Washington Park this summer.

Mr. Joe Berry, formerly Assistant Pattern Foreman, has been removed from the Mt. St. Rose Hospital in St. Louis to the Harrison Hospital at Collinsville, Ill.



Granite City's 1913 Class.—Mr. Rohlkoetter is at present Chief Inspector at East St. Louis. Mr. Bertschman was Asst. Chief at East St. Louis. Mr. Moorehead is in business in St. Louis, Mo. Mr. Kelly was General Foreman of the Wheel Department at Granite City Plant



## Hammond

The office of our Works Manager has been re-furnished in mahogany, adding much to its appearance.

Miss Myrtelle Huehn, stenographer, has been transferred from the Department of Orders and Materials to the Accounting Department.

Mr. Jefferson Walker, Material Man in the Spring Department, has put in such an effective system in his Yard, that he has been temporarily transferred to the Brake Beam Department, to install the same system. In his absence from the Yard, Mr. R. Elster will perform his work.

For a man of his age and size, we vote "Uncle John" as our Beau Brummel. In neatness and appearance, we back up our claims in this regard against the seven other Plants.

While Raymond Emerson, Office Boy and Mail Clerk, was gone for a week, we found that he held the most important position in the office.

Mr. Bill Doe, of the Accounting Office, had a recent attack of quinsy.

Another dance for Simplex Works, the second of the season to be held in K. of C. Hall. For this event, we are responsible to Mrs. McCoy and Mr. Jansen, of the Drafting Department. A four-piece orchestra, headed by our own Saxophonist, Arthur Dullum (Draftsman), furnished the music for the dancers, and for those who did not dance, card tables were provided. Delicious refreshments were served. Quite a few out-of-town visitors were present, among them being Mr. W. Baselt, formerly of the Clasp Department, Mr. and Mrs. Falstrom, of Indiana Harbor, Mr. and Mrs. Anderson and Mr. and Mrs. Palmer, of Chicago. In all about thirty couples were present, but not as fair a representation as we should have had. However, another opportunity to attend these dances will be afforded in the affair which is contemplated in the Spring, the date of which will be announced later.





Henry Rehberg, Driller, eight years' service at Hammond

Mr. Johnsey, Invoice Clerk, has been made Receiving Clerk in the Storeroom, Mr. Lowe filling his former position. Success to both in their new work.

Mr. O. B. Thornberg, Payroll Clerk in the Brake Beam Department, was married to Miss LaVerne Snye, of Lebanon, Ohio. They are now living at Indiana Harbor but expect to make their permanent home in Hammond. Congratulations.

Mr. F. Bushman, Assistant Superintendent of the Brake Beam Department, recently smashed his toe, laying him up for several days. (No, he is no relation to the famous Francis X.)

Will Orr, brother of Harold Orr, Clerk in the Cost Department, and Emil Orr, Electrician, have returned home from a three months' visit to Florida.

Jerome Linden, Draftsman, expects to enter Armour Tech, with view to becoming a mechanical engineer. We are sorry to lose "Jerry," but are glad his ambition is pushing him on.

Mr. Beckman, of the American Autoparts Company, visited us last month.

Misses L. Shafer and J. McCluskey visited in Chicago recently.

Mr. E. Hartman, of the Brake Beam Department, was compelled to lay off a while on account of an injured toe.

Can any Plant produce as unfailing a sweet disposition as our Supply Agent, Mr. McNab, has. A violent toothache for three days was only evidenced by the undue proportions of one side of his face.

Mr. C. G. Kingwill, Superintendent of the Orders and Material Department, has again changed his place of abode. This time he has moved to Ruth Street.

Messrs. Hughes and Wadloe, of the Order Department, General Offices, were here recently but they were treated so well by the Clasp Brake Department that they had no chance of visiting the other departments.

Mr. J. A. Klein, of the Brake Beam Shop, is congratulating himself over his recent very narrow escape, when his cuff caught in the drill press, and but for his presence of mind, he would have been fatally injured; as it was, his clothes were torn completely from his body.

Our utmost sympathy is extended to Mr. Walter Halfman, Chief Timekeeper, whose sister, Mrs. Walter Lavene, passed away last month.

Mrs. Stewart, wife of Mr. O. Stewart of our Cost Department, is out again after an illness.

The party held at the home of Richard Troop, judging from those present, was a stag affair, consisting of Messrs. J. Huepner and I. Volkman, of the Brake Beam Shipping Department; C. Hudson, O. Hineline, H. Delaney, R. Troup, E. Ohr, and H. Ohr, Electricians.

Mr. O. B. Day, Traffic Man in the Department of Orders and Materials, had a sister to marry recently, at the First Roseland Baptist Church. After the ceremony a wedding breakfast was served at the home of Mr. Day. Congratulations are now in order to Mr. and Mrs. L. H. Previs.

Mr. Milton Pfau of the Brake Department, who has been having trouble with his eyes, is back on the job, looking like a young college graduate in his new glasses.

We extend our sympathy to Mr. and Mrs. Purcell, who lost their little three year old son with diphtheria. Mr. Purcell is stenographer in the Brake Department.

The third air receiver has been installed in the Engine Room.

Mr. W. B. Martin, of the Brake Department, claims to be the Champion Back Yard Poultry Man of the American Steel Foundries. He is willing to make a wager with any one that he can get 25 per cent more eggs, with the same number of hens, than any one else. Do we hear any one willing to call this challenge?

The Simplex Plant has a new switchboard, due to the fact that forty phones in operation at this Works necessitated a larger board.

Mr. and Mrs. Harry Nisle entertained at their home recently in honor of their Fifth Anniversary. The Electrical Department, of which Mr. Nisle is a member, was well represented with Mr. Emil Orr, Mr. H. Carlson, Mr. F. Schmidt and Mr. Clyde Hudson and family.

Mr. E. O. Kelley has been employed to assist in the Storeroom at this Works. Our Storeroom people say they have a real organization now.

Mr. Fletcher Hudson, Chief Electrician, took a month's leave of absence at a sanitarium at Quincy,

Ind., to rid himself of rheumatism, from which he has been a sufferer for years.



Val. Schweigert, Supt., nineteen years' service at Hammond

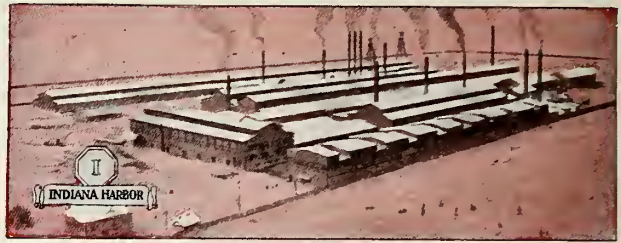
world these days, having recently invested in a diamond solitaire.

Mr. E. S. Cooper, Chief Draftsman, has a new Ford Sedan.

Mr. Lager, father-in-law of R. Elster, Clerk in the Spring Department, passed away recently. We extend sympathy to the family in their trouble.

Mrs. Lockwood is visiting at the home of her daughter, Mrs. G. H. Austin. She has spent several previous winters in Hammond.

A linen shower was given Miss Alice Kummer, Stenographer in the Accounting Department by a number of her intimate friends. She received a large supply for her already congested "Hopechest" and says she simply has to go to housekeeping early in June or rent a storage space.



## Indiana Harbor

George ("Dad") Voight has returned to his post after a touch of lagrippe.

The second painting squad has been doing its bit in the Pattern Storage. The building now reminds one of a regular place—cleaner, lighter and better to work in. Bob Evans, Fred ("Wolfie") Pattello and Carl Boebel did the heavy work while Harry Barnum, Leo Engleton, Bill Monk and Harold Wallis finished.

We have discovered that the Ryan Car Company, Hegewisch, Ill., not only turn out cars but they turn out bowlers. The Harbor bowlers took the tip and the result cost us 100 berries. (For further information ask "Badge," of the Ryan Car Company.)

A sore arm, caused from vaccination, put Bill Goddard, Payroll Clerk, down on his back for the first time in fifteen years.

"Ossie" Aubrey, Finisher on Floor No. 1, has learned a lesson regarding "Hammond Cops." Ossie took his Lizzie to the Hoosier town for a little trip, just to test its speed, when one of the blue coats took his number. Yes, Osborn, all policemen are not just painted on street corners in Hammond.



R. Opasik, Roy Currab, J. M. Flanagan, Chief Inspector, and Abe Brogowski, Indiana Works



It is rumored that W. J. Scully is about to step off the wide and short path, and is making final arrangements for parking space on the "long and narrow trail." Good luck, Walter, and lots of courage.

New concrete sand bins are being installed in Number Two Foundry and Bill Parker has introduced something solid in suggesting them. That's Bill's big idea, "Something solid."

Mr. Clarence Fires, Assistant Foreman in No. 1 C. M. & A., has been transferred from the night turn to the daylight crew. "Chick" claims he is just beginning life, while Cecil David says he started a little bit too late. How about it, "Chick?"

Morris Cohen is now "General Clerk" of the Accounting Department. His capability and geniality make a happy combination and we are glad to see Morris stepping up.



Dr. J. A. Teegarden, 10 years' service; W. F. Grebe, Safety Inspector, 10 years; F. L. Allen, E. B. A. Representative, 5 years, and Miss Gertrude McLaughlin, 1 year

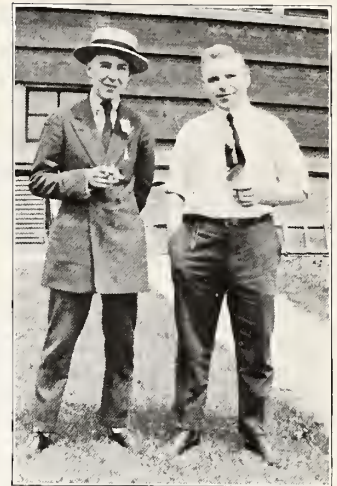
holding down the last position in the standing, but many a team has come from behind and we can refer you to the "Boston Braves of 1914." They did it.

The Indiana Harbor boys wish success to Mr. D. W. McGeorge in his new venture. Among the Harborites, he is regarded as a regular fellow.

A large section of the property just outside the Plant has been flooded and banked on all sides, so the ice skaters know where to stop. These are the days of real sport (at this writing).

One by one, our pattern storage is completing their pattern records on the work transferred from Franklin Works. It has been a big job to straighten out the carload shipment, but the Harbor Works specialize in getting correct records.

Our sincere sympathy is extended to Mr. and Mrs. Tweedale, father and mother of Thomas Tweedale, Jr., foreman of No. 2 Core Room, Night Shift, who passed away recently. Mr. Tweedale was a member of the E. B. A., the parents becoming joint beneficiaries to the extent of \$1800.00.



E. H. Ebel and E. C. Konstanzer, Indiana Harbor

Specializing in work can be applied in almost any industry of today, but the Indiana Harbor Works can place a hand on several Floor Molders who seem more adapted to particular patterns than others. Any stranger walking through the Dry Sand can find special molders, doing special work, of the general run of locomotive or miscellaneous work. When an order is received for locomotive driving wheels, according to the amount specified, it's a safe bet that Tommy East will have a hand before it is cast, and when time occurs for the demand for annealing pots, used by American Steel and Wire for annealing wire, the name of Alec Gimble will be the first in thought. When it comes to locomotive engine frames, Mr. Charles Balutus can be seen oiling up his air rammer, and such castings as Brake Beams generally wind up with the finishing done by Steve Norkus. Tony Rumsos has plenty to do completing a large order for Bolsters used on electric locomotives for an Eastern Road, and so it goes.

We were much gratified recently to receive a letter from our friend, E. P. Langworthy, now of Buffalo, N. Y., congratulating this Works on receiving the Award for Good Order.

Busybodies never want a bad day.



Edward Kelly, Molding Inspector, Indiana Harbor

End Man, Dinner Table—"How many pounds is there in an "Engle-ton"? Second Pie Eater—"Don't know, I imagine about 155 pounds—better ask Leo."

## IT DOESN'T MEAN SOMETHING

We are bound to have our "Loveday" after all since "Winter" is nearly over and the "Moss" is getting "Green."

What would you give for a little drop of "Duffy's" malt and then go to "Barnum" and "Bailey" circus to see the horses in their "Stoll."

Since the "Lorenz" are going up and the chimneys getting "Suttie," we hope the landlords will have to either "Kraul" out to the "Park—er" jump in the lake before they boost the rents again.

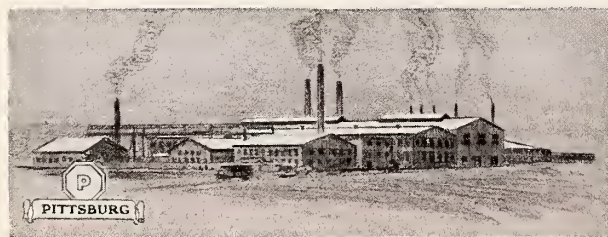
Miss Jessie Fletcher, Confidential Clerk, has resigned her position and is now in California with her parents. The entire Plant wish her success in her new adventure.

Mr. Fred Pickett, our Tinner, has moved into his new quarters, working in connection with Mr. George Yonke, the Carpenter Foreman. Their new home is furnished with better light and heat.

Mr. Nels Johnson, Chaser in No. 2 Foundry, is back to work again.

Mr. Ernie Jung, one of the Timekeepers in No. 1 Foundry, has resigned and will go into the Garage business with his brother in Oak Glen, Ill.

"Fat" Eidam, Night Foreman in No. 2 Foundry, has purchased a classly "Henry Sedan."



## Pittsburgh

"King Brady" Noullet, Night Watchman, is again with us. However, he has not outgrown his one fault and that is too much fondness for sauerkraut and wieners, with mince pie for dessert. Ask King Callery, Repairman, what he thinks about sauerkraut, too.

Ack O'Neil, Cornelius Langford, T. B. Shorts and Jack Huston have secured one room at No. 4-11-44 Main Street. This room is 20 by 40 feet. All conveniences with wash bowl, hard wood floors, gas lights, but no heat and very few bed clothes. They manage to keep warm with the hot air they pass around while talking about the good old days at Franklin.



H. E. Zollinger, 12 years' service, Brick Mason force, and J. A. Davies, 7 years' service, Master Mechanic, Pittsburgh

John Melchoir, of the Core Department, is going to give a coming-out party soon. Johnny is 49 years old and the boys will have to wear Plug hats.

J. A. Davies, our remarkable car tracer, says he'd like to meet the guy that "puts the red ink" in the tubes of THE OCTAGON thermometer. Quoth John,— "That guy overloaded Pittsburgh's tube. If I only had the chance I'd show him where the top ended." Get busy, John, old top.

John B. Collins, the Production Engineer, the other day was bragging about his car. John's record is 17,000 miles and he says it is good for that many more.

John Holmes, the Melter, and Harry Zollinger have a good scheme to beat the Income Tax. Jack is scraping up all the dope and Zolly is spreading the salve. How can you do it?

Jim Collins, the Safety Inspector, keeps the boys on the jump these days. He gives the boys the dope and, believe me, it sinks in.

Chas. Smith, of the Core Room, is going to move out in the Country. He says "Every time he gets settled, they raise his rent."

Cornelius Langford blew in from Franklin the other day with Rube. Langford is some star in showing the town to the boys of Venango County. They were hunting quarters at the Y, but finally landed in the Stone Jug.

Ed Alston on his last trip to Alliance had trouble with his differential and had to stay over a few days for repairs.



Joe "Mac" was unable to attend the 8:30 Klub party but he met the boys later in the evening and used the vacuum cleaner on them while playing African Marbles. At 1 A. M. Al. F. took a pledge that hereafter he will go home with the girls. We think that any young man who will permit our girls to go home alone, deserves to lose.

We had a "Get-together Meeting" here recently during lunch hour. Mr. Young, Industrial Secretary of the Lawrenceville Branch of the Y. M. C. A., was in charge, assisted by Miss Margaret Coutts. Mr. Young offered the services of himself and of his branch to aid any one desirous of securing citizenship papers. A most excellent musical entertainment was much appreciated by every one present.



Mr. Chas. I. Bepler has been promoted to the position of Storekeeper, vice Mr. M. D. Smith, who has left the service. We're with you, "Bep", ol' kid.

First thing you know, Pittsburgh Works will have a staff of accountants that will rival the country's best. H. J. Freese, Harry Brown, Charlie Bepler and Roll Herpst are among those contemplating entrance to University of Pittsburgh's Evening School. Joe MacCord and Rudie Arn will have company when these boys get going.

Mr. G. I. Tuckey has been appointed Rand file clerk, succeeding C. I. Bepler.

The Contributing Editor was fortunate enough to visit Indiana Harbor Works, on a day that they had pie for lunch. Words cannot express the delight and enjoyment he experienced. But his happiness will not be complete until he has sampled a wedge of pie made in the East St. Louis kitchen. For the benefit of East St. Louis, we state that pies may be mailed Parcel Post.

All the office force has started a slush fund, saving their pennies for a great future event. We think Peg should give us a hint as to the date.

Louis Weis is playing the role of Sherlock Holmes in the "Mystery of the Foundry Office, or Who Broke the Pencil Sharpener."

Mr. A. D. Allen, formerly of Sharon Works, was a recent visitor.

Our genial friend, "Ollie" Osborn, is some popular guy. When he saw his picture in the January OCTAGON, quoth Ollie, "I wish I had about 100 copies to send to my enemies."

Tony Gergwich of the Snap Flask Department, has returned to work after a lingering illness of three months.

A place for everything and everything in that place. A time for everything and everything on time.

A certain young lady at Pittsburgh Works returning home from work one evening thought she was traveling a Pullman and not a street car. When she woke up she was many squares past her usual "getting off place."

Malcolm R. McLeon, at one time connected with the Local Sales Office but more recently Secretary and Sales Manager of the Duquesne Steel Foundry Company, has been appointed Sales Manager of the Casting Division, Pennsylvania Seaboard Steel Corporation.

Since the last picture of the girls at Pittsburgh Works was taken there have been a few more girls employed. Boy—page Mr. Leubbert.

It is reported that Vic Cherry, our Shipper, has a motto in his cellar, that reads "With all thy faults, I love thee 'Still.'"



M. D. Smith, Storekeeper, five years' service, C. R. Riley, Asst. Storekeeper, one year's service, J. A. Davies, Asst. Storekeeper, five years' at Pittsburgh Works.



Mike Jordan, five years' service, Joe Federber, six years' service, Felix Meshalske, four years. Molders in snap flask dept., Pittsburgh Works

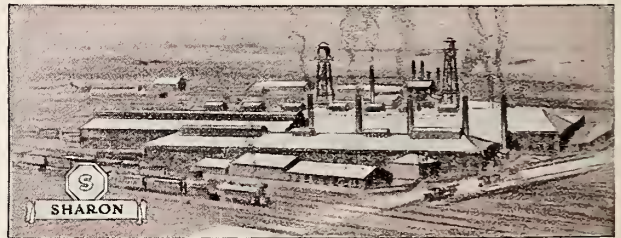
The second supper of the 8:30 Club held, was a big success—and also a *big supper*. At the table, it was suggested that each one present give a toast, which caused Mr. Freese, our Works Auditor, to have very many inspirations. Kid Bep, our Reputed Woman Hater, favored us with a few of his own quips and cranks. Miss Eiffler hoped that we would survive the repast and would be able to return to work the next ady. Our proficient Production Engineer, John B. Collins, favored us with a song he used to sing many years ago. Jim Collins, our Safety Inspector, stepped into prominence by cracking a few original jokes. Tom Bennett and Rolland Herpst, representatives of the Bald Pates, presented bold and brilliant arguments. (Joe Collins, for some reason or another seemed lacking in inspiration). Those dancing were interrupted by the weird performance of a ghostly rite upon the unresisting and innocent person of "Louie" Weis. "Bootless" K., better known as the "Foundry Clown," and Rudy Arn, the smiling "North Side Kid," gave a successful exhibition of eccentric dancing. A sketch was then produced by Kid Bep and his ally, known as "Kari Ben Abaiumed," the Occult, Eastern producer of thrills and unearthly sensations. Our friend, "Red" Tuckey, skillfully impersonated one "Lew Kelly, an imitator of a follower of hashiesh. This oriental proceeding awakened an appetite for song, which our friend, Peg McAleer satisfied in low moaning cadences, suggestive of better days. Harry Brown favored us with a brilliant rendition of the great American Jazz. Miss Eiffler and Mr. Bep then appropriately organized a game of "Marriage." The undramatic and fatiguing finale consisted in restoring the office to its former condition of monotony. Congratulations are due the Social Committee who had charge of this extremely enjoyable affair.

Dan Cupid has another victim and said victim is suffering untold agonies. Ralph P. is trying to figure out how two can live cheaper than one these days of H. C. of L.

The 8:30 Club has pulled another one! They recently "klubbed" together and purchased a Victrola. They now have music while eating their lunches and the atmosphere between 12 and 1 o'clock is full of melodies such as "Whispering," "When the Moon Shines on the Moonshine" (brings back fond memories for Charlie Bepier and Rudy Arn) "My Little Bimbo," "Let the Rest of the World Go By," etc. "O! you Beautiful Doll" was donated by Mr. Ed. Alston.

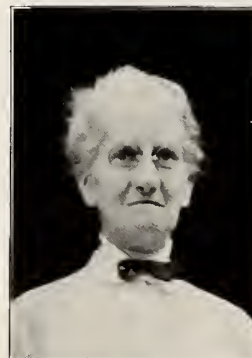
Hey Boy! Page Mr. K. L. Ames, Jr! We want to suggest that he delegate Mr. T. B. Shorts of Pittsburgh Works, (late of Franklin Works) to prepare a Comic Supplement for some future issue of THE OCTAGON. Honest, Mr. Ames, "Shorty" is some comic artist.

We can foresee a brilliant career for King Gallery, our Red Hair Craneman, either as a financier or possibly in the penn. He coaxed a mongrel cur to follow him from Butler Street to the works and then sold it to Lee Brinling for \$2.00.



## Sharon

There are many automobiles at the Sharon Plant, but a few days ago they were all down for repairs at the same time and every one walked and most of them are still walking, as rough roads are hard on their cars.

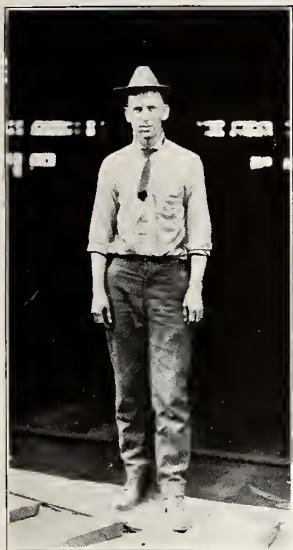


Miss Mary McCabe, Stores Clerk, two years' service at Sharon

A. H. Lauer is not used to living on the hills for the slippery sidewalks are too much for him. He tried falling the other day and found that the sidewalk was too hard to fool with especially when his head hit first.

Thos. Boyle lost his valuable Airedale dog, "Capt. Dale," through sickness.





Harry Kashner, Foundry Supt., Sharon, eight years' service

John Niehoff has been on the sick list lately, but when Pittsburgh got Maranville it cured John, for he is already claiming the pennant for the Pirates.

Daniel Boone Barnes, the golf expert at the Sharon Plant, has taken up ice skating since it is too cold for golf. Dan claims he is the best skater at the A. S. F. and is always ready to prove it.

Kashner and Ryan have about decided to get in with the gang, for they are afraid walking will be rather hard. If they behave, Dunlap and Moses will give them a tip on the winners, the same as Moses did with Ryan at the horse race.

We noticed in THE OCTAGON that a candidate for the Fleas at Granite City could only get one and one-half degrees, as his nerve failed him. The Volstead Act must be in force out there or the members could have helped him along. The next time, bring this candidate to Sharon as we feel sure he could get along here.

"Herman" Long has finally decided to give all his bull dogs away. Don't be in a hurry, gentle reader, for there will be plenty for all who want them. The last count was one hundred six.

Attention, Geo. T. Engelman, Hammond Works. The committee appointed to sell your automobile (The Pullman) had the sale Friday and the car went to the highest bidder, Mr. Thos. Ryan, for one dollar and ninety-eight cents (\$1.98). After trying the car, Mr. Ryan is willing to sell it for one dollar (\$1.00).

H. J. Rollinson is much worried. What he wants to know is, what became of the apples which he put in his car, for when he got home they were gone.

The warm weather boys at the Sharon Plant are: Dan Barnes, Harold Rollinson and Fay Ferguson. They all want to go south as they don't feel comfortable unless it is at least 100° in the shade.

The fine weather we are having makes some of the boys think of the fine gardens they will soon have. Ryan has already asked a certain fellow to show him how to plant tomatoes as he is new at the game but is willing to learn.

Dan Barnes has finally agreed with two other fellows here that he doesn't understand the show business.

Albert Moses takes his day off on Saturday now. We are unable to understand why unless it enables him to stay a few extra hours when he takes his weekly trip to Cleveland. Harold Rollinson wishes Albert would take him along on one of these (*business*) visits.



## General Offices

Mr. C. C. Jarchow, of the Accounting Department, has returned from Galesburg where he made some annual audits.

Arthur Mendez, a former employe in the Accounting Department, was a recent visitor in the office. He is now in the stock and bond business.

Miss Margaret Troy, stenographer in the Accounting Department, has been transferred to Mr. R. W. McKisson's office.



Top—Bessie Leavey, Helen Guilfoyle. Bottom—Irene Loughran, Gertrude Houlihan, Purchasing Department, Chicago

Mr. D. W. McGeorge has taken the position of Works Manager with the Edgewater Steel Company, of Pittsburgh.

Wm. Arnold, Clerk in the Voucher Department, was ill for some time. As a consequence, the noon-day rummy game has been a three-handed affair.



C. Sturrock, Sales Engineering Dept., General Offices

Mr. Harry Olden, Traveling Auditor, has left the City Office, to make his regular schedule, going first to Alliance.

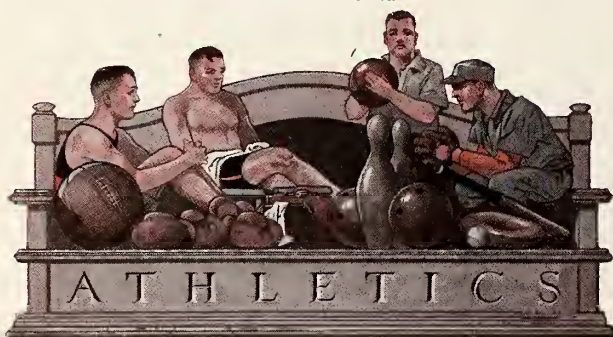
Mr. William Colson, Chief Electrician, and Mr. Wm. V. Kelly, Process Inspector at the Granite

City Works, were recent visitors at the General Offices.

A. Trever Jones was in New York during the Marine Show, in the interest of the Anchor Department.

Arthur O'Connor is just now interested in the more correct dress for men, having in contemplation the purchase of a new spring suit.

The following Code Book pages, Nos. 182, 183, 184, 175 and 185A (dated 1-12-21), 198 (dated 1-3-21), 199 (dated 1-14-21), 169, 170, 172, 173 and 173A (dated 2-14-21) were revised and sent out between January 15th and February 15th, 1921. Have you received these pages?



At the conclusion of the "Shop Night" performance every one present adjourned to the Gym Floor to witness the Annual Basket Ball Game between the Executive Team and the Repair Department Team.

The game was fast and furious and full of pep, although the Repairmen could not seem to connect with the basket for any two-pointers. This game was played on the level, the scorer not counting goals made by persons in the gallery. The game resulted in another victory for the Executive Team, making two successive years they have trimmed the Repairmen and Mr. Munson, Manager of the Executive Team, was presented by Bill Foster, Chief Judge, with a beautiful SOLID TIN LOVING CUP suitably painted in bright red letters.

The line-up of the teams follows:

## EXECUTIVES

Midget Grady  
Marranville Brown

Windy Williamson  
Jiggs Munson

Doc Morgan

Bud Birtwell

Buffalo Bill Foster

Bunny McGuigan

Young Hammond

REFEREE: Gordon Garling (Thurlow Works)

## FORWARDS

## CENTERS

## GUARDS

## RESERVES MANAGERS

Runt Cooper

## CAPTAINS

Victor A.F.B.S.G. Dinkleman

## SCOUTS

Chicken Hawke

## COACHES

Giant Kelley

## REPAIR

Skinny Voschelle  
Rabbit Hurd

Little Baer  
Sausage Bowley

Council Coyle.

Athletics at Alliance Works is in a flourishing state of activity. As a result of Messrs. Shaffer and Geddert selecting teams at this Works to bowl for a chicken supper, there has been organized an American Steel Foundries Goompf Club Bowling League.

In the first game mentioned, captained by Geddert and Shaffer, results were as follows:

## GEDDERT

Team 1. Shrimplin, Ruffner, Funkhouser, Rosenberg, Freed, Geddert.

First Game.....	994
Second Game.....	1042
Third Game.....	992
Total Score.....	3028

Geddert won first game by 101 pins.  
Geddert won second game by 106 pins.  
Shaffer won third game by 35 pins.

Team 2. Johns, Polen, Jackson, Cox, Funkhouser, Gracium, McCausland.

First Game.....	1975
Second Game.....	2004
Third Game.....	1904
Total Score.....	5883

## SHAFFER

Team 1. Reese, McKenzie, Lechler, Harrison, Biery, and Shaffer.

First Game.....	947
Second Game.....	930
Third Game.....	965
Total Score.....	2842

Team 2. Stoughton, Carson, Robertson, Dore, Mazey, Cassidy, Pittman.

First Game.....	1874
Second Game.....	1898
Third Game.....	1939
Total Score.....	2869

Geddert won by 173 pins.

And now for the Big League. The following is the complete line-up; with a few Regulations imposed in connection:

## NO. 1 WARRIORS

Geddert, captain; Rosenberg, Robertson, Jackson, K. Alexander; John, Utility.

## NO. 2 CUBS

McKenzie, captain; Ruffner, Dore, Polen, Ryan, Tanner, Utility.



## No. 3 PANTHERS

Lechler, captain; R. Funkhouser, Cox, Pittman, Cassidy; Sloan, Utility.

## No. 4 BRAVES

Reese, captain; Biery, Carson, Stoughton, R. Wilson; Cracium, Utility.

## No. 5 WILDCATS

Shaffer, captain; Freed, Johns, E. Loliet, Mazey; Cleggett, Utility.

## No. 6 INDIANS

Shrimplin, captain; Harrison, McCausland, Greenawalt, Brew; G. Funkhouser, Utility.

NOTE: The above Captains made the following agreements:

(1) The team having the lowest number of pins in one game pays for game.

(2) Bowling by percentage, i. e., standing according to number of games won and lost, upon completion of League shall be declared the winner.

Reports of last game played to date:

PANTHERS:	Game	1	2	3	Total
Funkhouser.....		154	150	190	494
Cox.....		165	133	168	466
Sloan.....		117	93	...	210
Pittman.....		113	173	148	434
Lechler.....		177	168	117	462
Cassidy.....		...	...	77	77
		726	717	700	2143

BRAVES:	Game	1	2	3	Total
Reese.....		182	145	204	531
Stoughten.....		104	...	141	245
Wilson.....		136	122	171	429
White.....		181	143	142	466
Biery.....		232	266	139	637
Cracium.....		...	108	...	...
		835	784	797	2416

High individual game score, Biery.....	266
High individual score 3 games, Biery.....	637
High individual average 3 games, Biery.....	212
High team score, Braves.....	2416
High team average, Braves.....	805
High team score one game, Wildcats.....	825
Next high score one game, Warriors.....	822
High individual average for number of games played, Biery (6 games).....	186
Next high individual average for number of games played, Ruffner (9 games).....	173

## STANDING TO DATE:

Indians.....	5	4	1	800
Wildcats.....	6	4	2	666
Braves.....	5	3	2	600
Warriors.....	9	5	4	555
Cubs.....	9	3	6	333
Panthers.....	6	1	5	166

Schedules for future games this season:

Tuesday, March 15.....	4-2	Alleys	
Tuesday, March 15.....	6-3	2-3 } Sebring	
Thursday, March 17.....	5-1	4-5 } Sebring	
Tuesday, March 22.....	4-3	Alliance	
Tuesday, March 22.....	2-1	2-3 } Sebring	
Thursday, March 24.....	6-5	4-5 } Sebring	
Tuesday, March 29.....	3-1	Alliance	
Tuesday, March 29.....	2-6	2-3 } Sebring	
Thursday, March 31.....	4-5	4-5 } Sebring	
Tuesday, April 5.....	3-5	Alliance	
Tuesday, April 5.....	6-4	2-3 } Sebring	
		4-5 } Sebring	

Mr. Bob Coleman, Pattern Shop, who winters with the American Steel Foundries, has left for Texas to put the pitchers of the St. Louis Browns in trim for the coming season, after which he will return to St. Louis to go to Terre Haute, Indiana, where he will take up his duties as Manager and Catcher of the Terre Haute Team of the 3-I League. Last year Bob was manager and catcher of the Mobile (Alabama) Southern League Team, which he landed in fourth place. The St. Louis Browns purchased his release to place him at their farm at Terre Haute. Some day we expect to see Bob manager of the Browns. (Granite City Works.)

For the third time, the Night Gang Bowling Team has met with defeat. The same old story—the Night Bowlers simply cannot collect the maples in daylight. The Day Force administered the punishment by defeating the boys two out of three games, total pins amounting to 186. Captain Clarence Fires is not to be outdone and has plans laid out for the Fourth Series. Here's hoping Taski, Turnell, Halicki, McCally and Fires shoot a few practice games. (Indiana Harbor Works.)



## Safety of the Individual in the Home and Outside of Employment

By F. H. ELAM, Manager Casualty Department,  
Chicago Office

The need of personal Safety is realized or sensed by all animate life, but this need is not truly understood until we individually make a study of the subject, for the reason that primarily this need was instinctive. Instinct is nature's medium for the regulation and control of her unintelligent creatures, and the more intelligent the creature, the less he has to rely on instinct. Man as he has progressed intellectually, has substituted knowledge for instinct.

Primarily, the mission of the Safety movement is to so direct intelligent thought that the safeguards necessary for the Safety of the individual will be fully recognized and used. If each individual were fully instructed in the essentials necessary for his Safety, Safety for the group or the mass would be an accomplished fact, because the individual can not be wholly safe, no matter what his desire and training may be, until every individual with whom

he comes in contact is equally desirous of Safety, and willing to think and strive for it.

Training the individual in Safety has always begun in the home. As an infant, each individual's training in Safety begins and continues as long as parental supervision lasts. The quality of this home training depends upon the intelligence of the various members of the family. Personal Safety demands, first: that each individual strive to learn all of the inherent dangers in his own home, and having recognized them, remove all that possibly can be eliminated, then to resolve that diligent care will be exercised to prevent accidents from occurring where it is impossible to use some preventative safeguard.

No attempt is going to be made to enumerate all the dangerous situations found in the home; it should suffice to positively state that they are there and require care and thought to make the home always safe for all of its members. Home should be the safest place in the world for every member. Many homes are fairly safe for the older members, but are veritable death traps for the children, and to make the home safe for all should be the standard sought. From the viewpoint of the child, what are the chances in your home for it to be injured? To properly answer this question, a survey of the home should be made by at least two persons, and starting with the kitchen, every room, closet and piece of furnishing should be inspected.

The kitchen and bath room are usually the real danger spots in the home. The kitchen because it offers so many opportunities for cuts and burns. In the bathroom there is the medicine and toilet cabinets with their noxious drugs, razors, and toilet instruments, together with the possibilities of electrocution resulting from the proximity of powerful electric currents, water, and metallic pipes and fittings. In the living rooms, rugs, draperies, polished floors and open fires may be aids to injury; improperly constructed stairways, porch railings and unsecured window screens offer possibilities that should induce careful consideration by those making the survey. Many of the hazards found in the home of twenty-five years ago have been replaced by new ones, resulting from the introduction of steam, hot water, electricity, etc., in the home.

The next step in the training of the individual in Safety is the consideration of dangers on the public streets and highways used by the individual in his daily travels to school, work and elsewhere. This class of dangers is legion in number, and in the main differs for each individual, therefore, each individual should examine every step of the way that he usually

takes day by day, to familiarize himself with them, and thus be able to eliminate most of the elements of surprise which usually attend an accidental injury.

To assist in visualizing the dangers that are met on the way, allow the suggestion that in fancy you send some four-year old child of your acquaintance alone over your daily route—rather a startling mental picture, isn't it? And yet you have probably never given the dangers you meet daily in this way a conscious thought; but to be safe you must think or you will be as unprepared as the four-year old child sometime in an emergency, because the elements in a dangerous situation are just the same, whether you be four or forty, and the difference in meeting the danger comes from the preparedness that follows from conscious thought given to any situation. The dangers encountered on the streets of the small town and in restricted suburban residential districts have been increased many times by the advent of the electric street car and automobile. It is doubtful if many parents of today realize the increased dangers their children are subject to today, as compared with the dangers existing when the parents were children. Every parent should make Safety in the home and on the street a study, so that their children may be taught from infancy how to guard against injury, and thus lay the foundation of a Safety education that will continue during school and into business life.

The dangers encountered on city streets by everyone can only be safely met by the individual carefully training himself to observe where and what the dangers are. Of first importance is exercising care to keep the mind from developing even momentary conditions of abstraction, in other words, endeavor to be constantly alert. This will also prevent yielding to impulsive actions that so frequently result in injuries. Safety on the street also demands that you be properly "clothed and shod." Clothing should always allow free and unrestricted movement of the individual. Today many sidewalks, as well as floors, in stores and office buildings are so smooth and hard that the ordinary leather and tack heel cannot get "traction" enough to insure safe footing. This has been termed the "rubber tire age," and any individual who wants to be safe should have rubber heels on his shoes.

In conclusion, the attainment of the knowledge how to live safely is one of the essentials that should be early acquired, because it should precede other essentials, such as health, cheerfulness, character, success, etc., so that these latter may be properly conserved and enjoyed.





The Clay-Imps are indeed great artists. Out of ordinary **WASH CLAY** they can mold most anything. Here they are seen hard at work on a beautiful statue of some famous Clay-Imp supporting himself on a **Vulcan Side-Frame**.

## ObjectLesson.

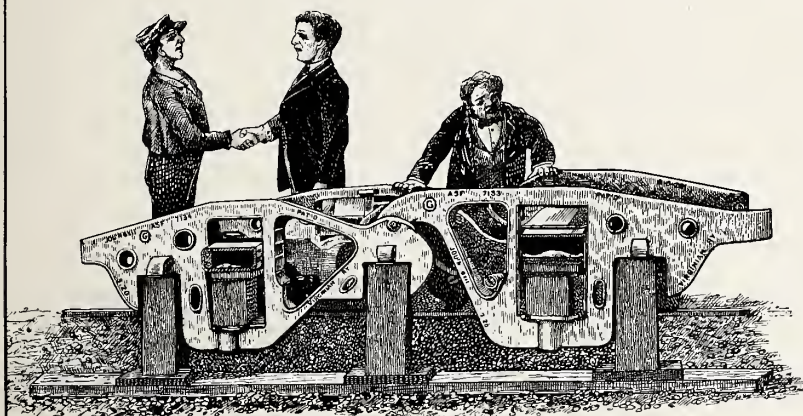
Without Clay we could not produce any Castings, and without proper and careful handling of the Clay we cannot expect to turn out good Castings. Scrapped Castings mean wasted Clay and other valuable material.

Therefore, let us be careful.

In the first nine months of this year we used 3931 net tons of Fire Clay in our practice, at a total cost of

\$14040.19  
or \$3.57 per netton.

*The Works Council*



There is an old saying, that  
**PRIDE**

"goeth before the fall". — That may be true — sometimes. But it is truer still, that the man, who takes no pride in what he is doing, will fail. Let us therefore all take pride in our work, remembering that:  
**"A thing that is worth while doing at all, is worth doing well."**

*H. A. Bully*

Bulletin No. 30.  
The Works Council.







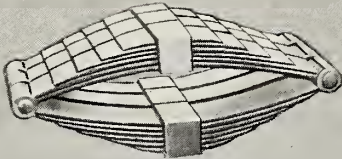
# THE OCTAGON

|| April, 1921 ||





# Company Products



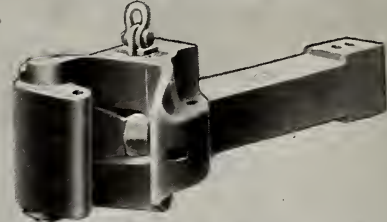
**SPRINGS**



**DAVIS  
STEEL WHEELS**



**AJAX AND HERCULES  
BRAKE BEAMS**



**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



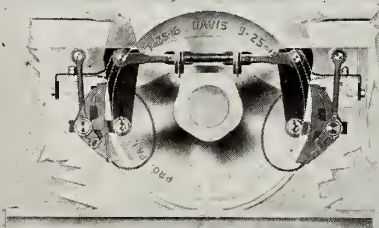
**ECONOMY CAST  
STEEL DRAFT ARMS**



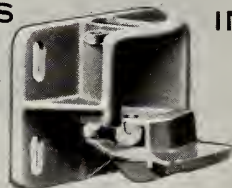
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



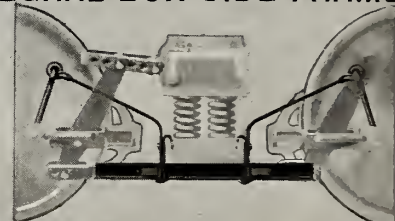
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



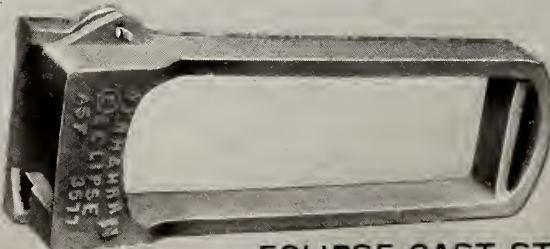
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





VOLUME IV

APRIL, 1921

NUMBER 16

## FOUNDRY PRODUCTION

By

H. C. KEYSOR

Assistant to Works Manager, Alliance Works

**M**OLDING is the fundamental process in the manufacture of steel castings. The other operations either contribute to the production of molds, i.e., pattern-making and core-making, or are contingent on the existence of molds, i.e., producing the melted metal, pouring, cleaning, and annealing of the castings. The Foundry is thus the center of production, and it is an important and ever-present problem in management to adjust the work of the other departments, especially the Core Room and the Open Hearth, to that of the Foundry.

### Foundry Layout

The Alliance Foundry occupies two parallel buildings about 380 feet long, extending in a North and South direction. One of these buildings, known as the Old Foundry, has a span of sixty feet; on its west side are located the seven Open Hearth Furnaces, and on its east, and immediately adjoining it, is the New Foundry, having a span of seventy-five feet. On the east side of this latter building is the Core Room.

There is a transfer track extending from the Core Room across to the Old Foundry, and next to it a ladle transfer to permit heats to be taken from one building to the other.

The molding units are placed along each side of the central line of columns between the two buildings. In this position, the machines can be supplied with sand from a belt conveyor which runs along the center columns for the full length of the Foundry. The cranes are thereby relieved from most of the work of carrying boxes of sand to the molding units, a feature of great importance when the shop is being operated at full capacity.

There are two jolter shake-outs (20-inch cylinder), one at each end of the New Foundry. In connection with the shake-outs at the south end of the Foundry, there is a sand reclaiming system to take care of sand from the roughing floor. The sand is worked through 1¼-inch spaced grids with a mallet to break up lumps; it falls on a belt conveyor, which carries it to the reclaimer, where scrap metal and hard pieces of

burnt sand and cores are removed, and the sand emptied into cars by a belt conveyor.

## Molding Units

For the production of couplers, the specialty of the Alliance Works, it has been found that jarring machines are the most suitable. For "D" and Simplex drawbars, the machine has a 12-inch cylinder and 2-inch stroke. Each unit is composed of two machines, one for the drag, and the other for the cope; the patterns are of metal, and are fitted with stripping plates which are operated by an air cylinder. Bars are cast in pairs, "D" bars being cast top-side up, and the Simplex bottom-side up to secure a clearer impression of the letters.

Knuckles are cast four in a mold, with the tails pointing outwards, the gate being in the center. The knuckle molds are smaller and contain less sand than the drawbar molds; they are therefore made on units having a 9-inch cylinder and 2-inch stroke. It was found that a 12-inch machine jarred the molds too severely, causing the sand to break and part when the mold was lifted off the stripping plate.

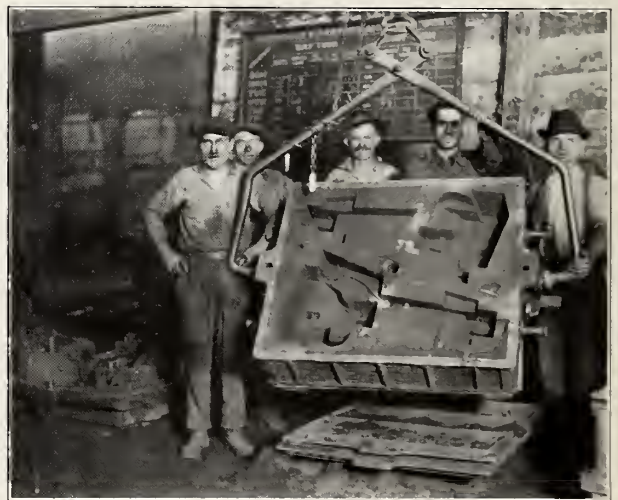
There are two Herman Jolter units of the roll-over type in the New Foundry, suitable for molding Truck Frames, Bolsters, and Draft Arms. These machines are not adapted to making bars, so the floor space at present is being used for passenger bars and miscellaneous shop castings.

A sand slinger is located next to the roll-over units; this is now being used to make yokes. Yokes are cast in pairs, the pattern being set entirely in the drag to eliminate shifts. The slinger is served by a monorail hoist to place empty flasks over the patterns; the rammed molds are swung to one side by a jib hoist, where they are picked up by another monorail hoist which handles them during the operations of finishing, setting cores, and closing.

Each unit has an individual sand bin with a capacity of about 500 cubic feet. The bin has separate compartments for the No. 3 sand and for the heap sand. There is a space of about

three feet between the machines and the bin so the men will have room to stand and shovel without being cramped. The bin opening from which the sand is shoveled is made the same height as the top of the flask on the pattern, so it is not necessary to raise the sand, but merely to shovel it across from the bin to the mold.

A recent improvement in molding bars is the installation of a monorail hoist to place flasks on the machines. The flasks were formerly moved over and placed on the machines by hand, two men being required for the work. The "D" bar flasks, although made extra light, weigh 450 to 500 pounds and it can readily be seen the labor of lifting, moving, and placing sixty to seventy flasks by hand in a nine-hour day, is very fatiguing. It was often difficult to get men to do the work, especially in the days of labor shortage. The monorail hoist does away with all this labor and has made it much easier to keep men on the machines.



Coupler Unit

Each unit is provided with a jib hoist to handle the rammed molds. After finishing, the drags are placed on racks, the cores are set, and the molds closed. The racks are made of 85-pound rails spaced about 26 inches, and have a length of eighteen to twenty-one feet. A rack will hold five "D" bar molds, or six Simplex



Bar or Knuckle Molds. Space is provided around each unit for placing two racks, and also for setting core racks. Chains fitted with a spreader are used for hoisting so that the racks can be lifted without damaging the molds. Owing to the large number of molds produced, there would not be sufficient time to handle them singly with a crane. With the cranes working every available minute, it is clearly a marked advantage to be able to handle molds in lots of five or six when setting out for pouring and carrying them to the shake-out.

The racks of closed molds are carried out from the molding units and placed on the floor in rows parallel with the line of crane travel. The runner cans are put over the gates, and the cope clamped to the drag with wedge clamps, after which the closing pins are removed. Two pieces of pig iron are placed on top of each drawbar mold to hold the sand down against the upward pressure of the molten steel and thus prevent coping. The molds are now ready for pouring.

### **Sand Mixtures and Sand Conveyor**

Three different sand mixes are used for molding drawbars and knuckles:

No. 1—Composed of about half new sand and half heap sand with a little fire clay and Ajax paste for a bond; milled thoroughly in a frost mill.

No. 2—Composed largely of heap sand with a small amount of new sand and fire clay mixed in; milled in an A. S. F. mill.

No. 3—Heap sand—composed of sand from the shake-out, from which the lumps and scrap metal have been removed.

The No. 1 sand, known as facing, is put next the pattern. There is a tendency for bars to scab on the shank, and it has been found that the facing, on account of its bonding properties, keeps this trouble at a minimum. The No. 3 mix is put in next to cover the pattern completely, after which the flask is filled up with heap sand. This latter is simply for filling in.

Facing sand is loaded into forty-two cubic foot boxes at the mill and carried by cranes to

the various molding units. The No. 3 and heap sand are supplied to the units by the belt conveyor system mentioned above. A belt 16 inches wide carries the No. 3 sand, and runs from the north end the full length of the Foundry. The sand bins are located below this conveyor; to fill a bin compartment, it is only necessary to let down a hinged scraper, known as a paddle, upon the moving belt.

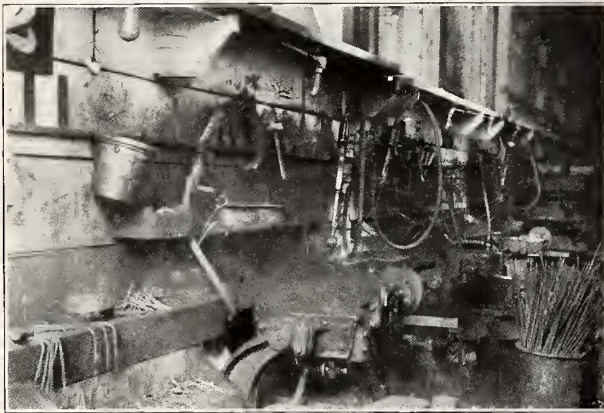
This deflects the sand off the belt into a chute, which empties it into the bin. After filling, the paddle is raised and the sand allowed to pass on to the next bin where it is needed. Immediately below the No. 3 sand belt is a 24-inch belt for conveying heap sand. To take care of the sand accumulating at both ends of the Foundry, the heap sand conveyor is in two sections; one section works from the north shake-outs to the transfer, supplying all units in both buildings up to this point; the other section runs from the south shake-outs to the transfer, supplying the sand slinger and other units in this part of the Foundry. There is a runway alongside the conveyor belts, and two men are on duty here at all times to keep the bins filled with sand. Tempering of the heap sand is regulated by a valve which controls the supply of water to the mixer. An attendant is stationed at this valve, and as the sand passes along the conveyor, he feels it at frequent intervals and regulates the valve to give the proper amount of moisture. The quantity of water required varies a great deal on account of the varying moisture and temperature of the sand as it is brought up from the shake-outs.

### **Core Machines**

The production of cores, especially drawbar main cores, is so intimately connected with the work of the Foundry that it is not out of place to give a brief description of some core machines which were recently installed.

Drawbar Main Cores are made in halves; the weight of a "D" Bar Half Core is sixty pounds, and of the box, 390 pounds, so it can be seen that the work of lifting the boxes and strip-

ping by hand is wearing on the men, particularly in view of the speed of production required. To do away with this feature of the work, and also to make possible the employment of less highly skilled labor, the core machines above mentioned were introduced in the latter part of August. There are now eight of the units in operation, each unit comprising both a cope and a drag machine.



Core Machine

The construction of the machines is, briefly, as follows: The core box is fitted with trunnions at the ends, and is supported in bearings in a horizontal position about 36 inches above the floor. A locking lever is provided so that the box can be locked in either an upright or an inverted position, and rotated easily from one position to the other. Underneath the box is a vertical air cylinder with self-adjusting arms to hold the core plate. A carrier, rotating about a vertical axis at one side of the machine, is arranged to swing in under the core box.

The operation of making a core is as follows: The box is locked in the upright position, and the sand and rods put in, in the usual manner. After ramming, striking off, and venting, the core plate is put on and clamped in place with a wedge and a "U" shaped clamp extending around the shank of the core box. The box is now rotated to an inverted position, and the air piston raised so that the arms support the core plate. The clamp is then removed. After venting, the operator raps the box with a rub-

ber mallet (a pneumatic vibrator, having a hose connection, is fastened on to the head of the box to facilitate rapping). The escape valve to the air cylinder is now opened, and the piston drops slowly, carrying the core plate and core, which is thus drawn from the box by its own weight in a perfectly vertical direction. Just before reaching the bottom of its stroke, the piston deposits the core plate on the carrier, which is swung out and thus brings the core in a position convenient for finishing and placing on the drying racks. This completes the cycle of operations.

Two men work on each unit, one on the drag machine, and the other on the cope. They do their own finishing, except when learning, and the work is of course done on a piece rate basis. In spite of having to break in new men, the machines have proved a marked success. Improvements in construction and operation are being introduced from time to time as experience shows desirable. We have some men who can make a core complete, and put it on the drying rack, in three minutes, and can average fifteen cores per hour, under favorable conditions.

## Relation of the Open Hearth to the Foundry

The visitor in a Steel Foundry sees a heat tapped and the metal poured into molds, and he does not realize the management necessary to insure that, when a heat is tapped, there will be molds sufficient to take the metal, or, on the other hand, that when the Foundry floor is covered with molds, a heat will be ready to fill them. There must be a balance between the production of molds by the Foundry and the production of melted metal by the Open Hearth Department.

The Basic Open Hearth Furnace, when fired with producer gas, requires about eight hours to make a heat from charging to tapping. After the charge has melted and started to "work" (that is, to eliminate carbon from the metal by oxidation), the process can be retarded only by adding pig iron to the bath. This procedure is objectionable because pig iron is relatively ex-



pensive, and there is usually more or less trouble from the bath making holes in the bottom, when it is held in the furnace longer than the normal time. On the other hand, the working of a heat cannot be materially hastened without unfavorably affecting the quality of the metal. The Foundry foreman must, therefore, calculate his work well in advance so that he will have molds to take the heats when they are tapped; otherwise, it will be necessary to scrap metal from the ladle, which entails loss of production and increase in costs.

Owing to the small type of castings made, it requires a relatively large floor space to set out the molds for a given weight of metal. The Foundry, therefore, works with a small margin of molds ready to pour; the number of castings molded on a turn is approximately equal to the number cast. Hence it is necessary for the

Foundry to make molds at a fairly uniform rate to maintain the proper relation with the open hearth output. If the Foundry runs ahead of the open hearth, the floor becomes crowded and the gangs must be held idle on account of not having any empty flasks to ram up. When the heats are poured, there is more or less congestion at the shakeout floor, making it difficult to get empty flasks back to the molding units and to run sand to the conveyor system. A crane breakdown may cause a troublesome delay in Foundry operations. The matter of core supply is of great importance, for any serious delay in making, drying or transferring cores will hold the Foundry at a standstill. There are other contingencies, such as pattern changes, labor shortage and tempering of the heap sand, which lend a great variety to the routine work of making molds and pouring heats.

## OVERHEATED CRANE MOTORS

By

ADAM WALDNER

Chief Electrician, Indiana Harbor Works

**W**E are experimenting with a scheme to reduce the temperature of one of our crane motors which, due to operating conditions, at times becomes very hot.

This is the bridge drive motor on our No. 10 Crane. It is a Westinghouse 48A 220 V. Railway type motor and the crane which it drives is a 10-ton 70-foot span. It is well to note that this No. 10 Crane is located between two of the three cranes in our No. 2 Foundry, which makes it the most important crane in this plant.

Due to foundry practices developed in the last few months, instead of pouring heats with the trolley motor, the flasks are now strung along the floor in such a way that the bridge motor does the majority of this work. These flasks, as a general rule, are located about four feet apart and we have on an average of 225

flasks to pour with each heat, and are making about seven heats in twenty-four hours.

You can see that if this bridge motor is started and stopped twice for each flask it will give us a total of 450 times for each heat. If we are to multiply this 450 by seven heats it will give us 3,150 times in twenty-four hours, when this motor is subjected to severe overload.

Several times in the past year this motor has burnt out entirely. On making a test of the motor, we find that on the starting or plugging point the Ammeter indicates between 300 and



Adam Waldner, Chief Electrician, 10 years' service, Indiana Harbor

400 amperes, and with the ladle on the crane and running up to full speed the current consumption drops to between 65 and 75 amperes, which proves conclusively that at full rate of speed this motor, which is presumed to be a 30-H.P., is not overloaded. This gives us a problem of trying to make the motor conform to the practices to which it is subjected when pouring heats.

We herewith present the cost that prevailed when the article was written, disregarding the effect of the serious delay it may have upon the operation of the Foundry:

1 set of Field Coils.....	\$162.00
1 set of 48A Armature Coils....	30.00
Labor, approximately.....	25.00
Total.....	\$217.00

to replace the burnt-out winding for this machine.

As a means to reduce this cost and to increase the efficiency and life of the equipment, we tried out a scheme; taking a small motor driven blower and forcing air into the motor at such times as it is subject to this practice. Fortunately, when the idea presented itself, we had a one-third H.P., 220-volt, 1750 r.p.m. compound wound motor which we had for a spare on our Combs Gyratory Riddle. We made a brass sleeve to fit the shaft, slotted the sleeve and soldered  $\frac{1}{32}$  sheet bronze fan blades to the same. Then we had our tinner make a sheet metal housing for the fan. The position of this on the crane runway is about three feet from the bridge motor and after boring a two and one-fourth inch hole in the crane's motor, in the center and back of the upper field coils, we connected the blower to the motor with a piece of two-inch circular loom and by running a Duplex No. 14 Wire in a half-inch conduit to the crane cage where we connect to a 30-ampere No. 96211 Square "D" switch.

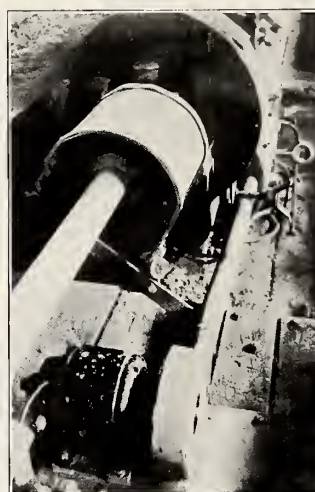
The Craneman has instructions to throw on this fan motor at the beginning of each heat

and keep it on throughout the pouring of the heat, which is generally about one hour.

This blower has only been in operation one month and just previous to the installation the motor had become so hot that it was necessary to shut down the crane and take an air hose and turn it on the motor to cool it off. Since the installation of this blower, we have had what I believe is a perfectly cool motor and we are more than pleased with the results of the experiment.

Commercial Copper Wire, hard drawn, is assumed to have a conductivity of 99 in a tem-

perature of 32° F. and as the temperature rises to a point around 212° F. the conductivity falls to approximately 70. By introducing this air circulation I believe that we prolong the life of the motor, reduce the amount of delay in operation, and increase the efficiency of the motor which, all told, is very



View on Top of Crane Runway

beneficial throughout the foundry.

The field winding on this motor is of No. 4 Wire, approximately 42,000 c.m., and the capacity for this is about 100 amperes. Continuous plugging around 300 amperes or more, for at least seven hours each day, keeps this motor operating under a 200% to 300% overload.

One thing that has developed in our favor is, that when the crane runs in one direction the air from this fan-blower follows the action of the armature and travels through the motor in one direction, and on the reverse, the air travels in the opposite direction, which improves the circulation.

This fan is delivering approximately 150 feet of free air per minute. If necessary we could increase the size of the fan without overloading the  $\frac{1}{3}$  H.P. motor. The fan is about two



and a half inches wide and about eight inches outside diameter.

The photograph published in connection with this article, taken on the top of No. 10 Crane runway, will give an idea of this installation.

In conclusion, will say the success of this experiment rests with the Crane Operator, for should he neglect to start the fan when pouring heats, the motor will warm up and eventually burn out.

## THE HOME GARDEN

By

H. E. OLDEN

Traveling Auditor, General Offices

### FLOWERS

ONE of the greatest acts of our civilization has been the improving of flowers from their wild state to the marvelous products of today. The great Hybridizer Burbank was once asked what he was working on at his farm. His reply was, "Crossing a Milk Weed with an Egg Plant and I hope to get Custard Pie."

The rest and beauty which are found in the well-arranged landscape gardening in the parks of the larger cities are the principal causes that fill the parks and recreational centers. And we like to have as much of the same effect as possible in our home or immediate surroundings.

There is a difference between the well-kept lawn with flowers and a weed patch, which we feel, though we sometimes do not like to admit it. From the standpoint of the Almighty Dollar, even, the well-kept lot enhances its own value and the value of the adjoining property. So, if we do not want to work in our vegetable garden

with the spade and hoe, at least, let us plant some shrubs and flowers.

Flowers for our garden, Shrubs, Roses, Perennials, Annuals, Bulbs and Vines—what a wonderful list of beauty, when we know them. Let us see what we can plant in our garden in the spring—shrubs to put around the home or fill in a corner. The following is a description of the most attractive of the hardy varieties. The Catalogue or Botanical name is given first and the common name after:

- Spirea-Anthony Waterer*, 2 to 3 ft., rosy crimson, blooming in August.
- Spirea-Prunifolia* (Bridal Wreath), 4 to 5 ft., double white, blooming in May or June.
- Spirea-Arguta Multiflora* (Snow Garland), 3 to 5 ft., single white, blooming in April and May.
- Almond* (Flowering Almond), 3 to 5 ft., double pink, blooming in April.
- Buddleia* (Butterfly Bush), 4 to 5 ft., violet rose, blooming in July.
- Forsythia-Fortunei* (Golden Bell), 5 to 7 ft., golden yellow, blooming in April.
- Weigelia Rosea*, 3 to 5 ft., pink, blooming in June.
- Weigelia Candida*, 4 to 6 ft., white, blooming in June.
- Philadelphus-Avalanche* (Mock Orange), 4 to 6 ft., white, blooming in August.
- Syringa Com. Lilac*, 6 to 10 ft., purple, blooming in April or May.
- Syringa Com. Lilac*, 6 to 10 ft., white, blooming in April or May.
- Viburnum-Sterilis* (Snowball), 5 to 8 ft., white, blooming in May and June.

The following are more suited for shady locations:

- Deutzia-Gracilis*, 4 to 6 ft., white, blooming in May.
- Mahonia-Aquifolia* (Ashberry), 3 to 5 ft., yellow, blooming in May.

The following are more suited for wet locations:

- Rhamnus-Catharticus* (Buckthorn), 6 to 5 ft., white, blooming in June and July.
- Cornus-Servicæ* (Dogwood), 3 to 5 ft., white, blooming in April and May.
- Tamarix-Odessana*, 4 to 6 ft., lavender, blooming in July and August.



A flower-bordered lawn

## Roses

The Rose Bed should be in a sunny location protected from north winds, if possible. They require rich soil; the best fertilizer is well-rotted manure. This soil should be three feet deep. This with clay underneath is ideal for Roses. The bed must have good drainage. Ground Bone occasionally worked in the Bed during the flowering season is desirable. In planting, set deep; the point at which the roots start should be ten or twelve inches below the surface. They should be planted about thirty inches apart. The "Hybrid Perpetual" are the Roses which bloom only in June, while "Hybrid Tea" bloom through the season up into November. They are both hardy, but still the roots should be given protection in the winter. Leaves or straw, to the depth of twelve to eighteen inches should be thrown around the roots. They must be sprayed at least once a month with "Black Leaf 40" or more frequently should a small green fly or "Aphis" appear.

The best varieties are:

### Hybrid Perpetual

- Gloire Lyonnaise*—large creamy white when open full passing to a shade of salmon yellow.
- Paul Neyron*—clear deep pink.
- Mrs. John Laing*—large soft pink, the best pink of this class.
- Frau Karl Druschki*—pure white.
- Captain Christy*—flesh pink.
- Mrs. R. G. Sharman Crawford*—deep rosy pink shaded with pale flesh, one of the freest bloomers.
- General Jacqueminot*—This is a "General Jack" shining crimson.
- Soleil d'Or*—varies from an orange yellow to reddish gold.
- Ulrich Brunner*—bright cherry red.

### Hybrid Tea

- Jonkheer J. L. Mock*—deep pink, outside of petals silvery rose.
- Caroline Testout*—bright satiny rose.
- Mrs. Aaron Ward*—Indian yellow, lighter at edges.
- Kaiserin Augusta Victoria*—soft pearly white shaded lemon in center. Introduced in 1890 and still heads the list of all outdoor roses—very fragrant.
- Killarney*—brilliant pink.
- White Killarney*—white.
- General McArthur*—rich crimson scarlet.
- La France*—satiny pink.
- Mrs. A. R. Waddell*—rosy scarlet shaded salmon.

### Perennials

No garden is complete without its Perennial Border. Perennials are the old-fashioned flowers of our grandmothers' days. They are the plants which are blooming almost constantly up to a

killing frost. They die down to the ground each year and in the spring grow again from the roots; when once planted they increase each year and give a better display each time. In planting allow a space between each, of half the height of their growth. For example, the Colum- bines (*Aquilegias*) grow about two feet high and,



Delphinium

therefore, should be planted twelve inches apart. The Larkspurs (*Delphinium*) which grow four feet high should be planted twenty-four inches apart. They should be arranged so that the taller growing varieties should be planted at the back of the bed and the shorter ones, Pinks (*Dianthus*) etc., should be in front. A trellis at the back of the bed for either grapes

or flowering vines adds much to its appearance. Use judgment in arranging the various colors so that too many of a similar color do not come together.

- Delphinium-Formosum* (Larkspur). Blue, white center. Height, 5 feet.
- Digitalis-Gloxiniaciflora* (Foxglove). Purple. Height, 5 feet.
- Hibiscus-Moscheutos* (Swamp Mallow). Rosy red. Height, 5 feet.
- Hibiscus-Moscheutos* (Crimson Eye). White, red center. Height, 5 feet.
- Hollyhocks*. In all colors. Height, 5 feet.
- Lupinus-Polyphyllus* (Lupine). Blue. Height, 4 feet.
- Hardy Phlox*. In all colors. Height, 4 feet.
- Platycodon Grandiflorum* (Balloon Flower). Dark blue. Height, 4 feet.
- Spiraea Palmata* (Meadow Sweet). Crimson. Height, 4 feet.
- Spiraea Ulmaria* (Meadow Sweet). White. Height, 4 feet.
- Yucca Filamentosa* (Adam's Needle). Creamy white. Height, 5 feet.
- Achillea Ptarmica* (Milfoil). White. Height, 2 feet.
- Aquilegias-Canadensis* (Columbines). Red and yellow. Height, 2 feet.
- Aquilegias-Coerulea*. Blue. Height, 2 feet.
- Aquilegias-Alba*. White. Height, 2 feet.
- Centaurea Montana* (Corn Flower). Blue. Height, 2 feet.
- Shasta Daisy-Alaska*. White. Height, 2 feet.
- Coreopsis Lanceslata*. Yellow. Height, 2 feet.
- Dielytra Spectabilis* (Bleeding Heart). Pink. Height, 2 feet.
- Gaillardia Grandiflora* (Blanket Flower). Dark red and brown. Height, 2 feet.
- Linum Perenne* (Flax). Blue. Height, 2 feet.
- Myosotis Palustris* (Forget-Me-Not). Light blue. Height, 1 foot.
- Dianthus Her Majesty* (Hardy Pinks). White. Height, 1 foot.
- Dianthus Homer*. Red. Height, 1 foot.
- Dianthus Delicata*. Pink. Height, 1 foot.
- Dianthus Juliette*. White striped crimson. Height, 1 foot.
- Dianthus Barbatus* (Sweet William). All colors. Height, 1 foot.



## Annuals

These are plants which last one season and die, some however, grow again from the seed which falls on the ground. Among this class of what may be called self-seeding varieties—which can be started from seed and if sown early will bloom the same year—are:

*Antirrhinum* (Snapdragons). *Poppies*—both single and double. *Portulaca* (Sun Plant). *Nicotiano* (Tobacco Plant). The variety "Affinis" is best, bearing sweet scented large white flowers all summer.

To these can be added:

Pansies	Heliotrope
Salvia Splendens	Sweet Peas
(Scarlet Sage)	Cosmos
"Crego" Asters	Petunias
Geraniums	Zinnias

and hundreds of others depending on the choice of the individual.

## Dahlias

There is no flower grown that will give the amateur gardener more pleasure than the Dahlia. They produce hundreds of blooms from June until cut down by frost; are perhaps the easiest flower to grow, and while improved by a good light soil, seem to adapt themselves to almost any soil just so long as it is loose and pliable. In preparing the bed the soil must be spaded deep—eighteen inches, or, better, twenty-four, with a liberal amount of well-rotted stable manure spaded in. (Fresh manure must never be used.) If "well-aged" manure cannot be obtained, bone meal or sheep manure should be used. The planting should not be done until the ground is dry and warm and all possible chance of frost is passed. In planting, a hole four to five inches deep, should be made in which the tubers should be laid flat with eyes or shoots up, to be covered with about two inches of loose soil, and, as the plant grows, the hole should be gradually filled up. Allow at least three feet between each plant; (four feet is better) as they require a free circulation of air and light. The ground must have good drainage and as it is necessary to stake to prevent the wind breaking them, the stakes should be put in when the Bulbs are set

and should be about three to four feet high. As they grow, they should be supported by tying to the stakes with soft twine, starting when about eighteen inches high. Better and finer flowers will be obtained by only allowing two or three shoots to grow from the Bulb; if more appear they should be cut off level with the ground. Frequent cultivating is necessary and they must not, after growth has started, be allowed to suffer for lack of water which should be applied to the ground rather than the foliage. They are troubled sometimes with "Aphis" a small green fly, and an insect resembling a very small grasshopper, called "Green Leaf Hopper." Spraying with "Black Leaf 40" early in the morning when both these pests are in a semi-torpid condition, on the under side of the leaves, will dispose of them. A spray every week up to the middle of August should be given, after which time the plants grow too rapidly to be affected by them. These sprayings will also kill the "Tarnished Plant Bug," a shiny brownish insect which punctures the buds, preventing perfect flowers.

There are several different types of Dahlias, the four principal ones being, "Show," "Decorative," "Cactus," and "Paeony Flowered," originated in 1858, 1865, 1872, and 1910, respectively. There are some 2500 different varieties, so that the selection is not altogether easy to make. The following are recommended, many of them giving blooms from 7 to 8½ inches in diameter and are the selection out of some sixty varieties now grown by the writer and are perfect specimens of their class.

### Show

*Arabella*—Light sulphur yellow, shaded peach blossom pink on edges.  
*A. D. Livoni*—Clear pink.  
*Grand Duke Alexis*—White, with lavender tips.  
*Gold Medal*—Bright yellow splashed with oriental red.  
*Deser's White*—Pure white.

### Decorative

*Ayesha*—Soft pure yellow.  
*Delcie*—Rose pink.  
*Hortulanus Fiet*—Shrimp pink, shaded with gold and tints of red and yellow.  
*Mrs. Roosevelt*—Silvery rose.  
*Hortulanus Witte*—Pure white.

## Cactus

*Floradora*—Dark crimson.  
*Aurora*—Reddish apricot shaded with flesh pink.  
*Countess of Lonsdale*—A blend of salmon pink and amber.  
*The Lion*—Bronzy old gold blended with yellow and pale pink.  
*Wolfgang von Goethe*—Rich apricot with carmine shadings.

## Pæony Flowered

*Dr. Peary*—Brilliant reddish mahogany.  
*Queen Emma*—Soft rose pink, banded with gold.  
*Geisha*—Scarlet and gold.  
*Willmore's Masterpiece*—Honey yellow shaded with rose.  
*Cleopatra*—Oriental red, base of petals primrose yellow.

It is necessary to take the Bulbs up as soon as the plant is touched by frost. The stalks



Mrs. John Laing

should be cut off about four to six inches above the Bulbs, the dirt washed from the roots and when thoroughly dry, they can be stored in a dark dry place in a temperature not over 60° or below 45°. The storage should be dark, so as to prevent the starting of growth too early. In the spring the clumps of roots which multiply rapidly can be divided,

but a piece of the crown must remain attached to the tubers, which without the crown, are useless, as no growth starts from the tuber itself. A peculiarity of the Bulb is that a small healthy one showing a start of growth will nearly always give better results than the larger Bulbs. Much finer flowers will be obtained if some of the buds are picked off.

## Gladiolus

This attractive bulb should be in every garden and if planted at intervals of two or three weeks apart from the middle of May to the end of June, a continuous supply of flowers can be obtained from July to time of frost. If the blooms are for the house it is better to cut the flower stalks just as they are coming into bloom, the lower buds opening first. Keep them supplied with fresh water each day and every bud will open and frequently better flowers, both as to size and color, are obtained this way. They

require a light rich soil fertilized with well-rotted stable manure and the bulbs should be planted about three or four inches apart. The bulbs must be taken up in the Fall, when the stalks are turning yellow, and should be carried over the Winter in the same manner as Dahlias.

The following varieties will give satisfaction:

*America*—Soft flesh pink.  
*Mrs. Francis King*—Flame color or light scarlet.  
*Niagara*—Cream yellow splashed with carmine.  
*Panama*—Rich rose pink.  
*Peace*—Pure white.  
*Princess*—Bright scarlet.  
*War*—Dark blood red.  
*Baron Hulot*—The only dark blue gladiolus.  
*Sulphur King*—Clear yellow.

## Lilies

No flower is more acceptable in the garden than the Hardy Lilies and some varieties last longer than the planter. The soil must be dry and consist of a warm loam. The ground must not be sour or damp or the bulbs will rot. Good sharp sand, bone meal and powdered charcoal, and a little air-slacked lime, deeply spaded in, will generally make Lily soil. The roots require to be shaded. Among the Perennials or shrubbery in vacant spaces is a good place for them. They are Perennials and need not be disturbed when once planted. All Lilies should be planted at least 5 inches deep, the only exception being the "Candidium" which should only be about 2 inches deep.

The hardest varieties are:

*Candidium* (Madonna Lily)—White.  
*Funkia-subcordata* (Day Lily)—White.  
*Hemerocallis-flava* (Yellow Day Lily)—Yellow.  
*Superbum* (Turk's Cap Lily)—Orange red.  
*Tigernum Splendens* (Tiger Lily)—Orange, black spots.

## Spring Flowering Bulbs

No flower is more welcome than these first harbingers of Spring. Just as soon as the snow goes, we see them start to make our garden beautiful, Crocuses, Snowdrops, Narcissus and hundreds of others. The best soil is a sandy loam. If the soil is heavy, plenty of humus and well-rotted stable manure must be spaded in the ground before planting, which is best done



from September to the end of November. They are all Perennials and when once planted should be left alone, unless the clump attains too great a size, when it can be divided. The best location for the Spring bulb bed is one sheltered from cold north winds, and if the bed is planted with wild ferns they will take the place of the bulbs as soon as they die down. The best effect is obtained by the promiscuous planting of the bulbs, only bearing in mind the harmony of colors. While all the varieties named are hardy they will be greatly benefited by a covering of two or three inches of leaves in the Fall.

## Hyacinths

Plant about six inches apart, three or four inches deep. The best hardy varieties are:

*L'Innocence*—Pure white.  
*King of the Blues*—Dark blue.  
*Moreno*—Rose pink.  
*Enchantress*—Sky blue.  
*Yellow Hammer*—Yellow.  
*Victory*—Crimson.

## Tulips

Plant about six inches apart, three or four inches deep. There are several varieties of Tulips, "Early," "May Flowering," and "Darwin." While all give wonderful results, the "Darwins" should be selected on account of the marvelous colorings attained in this strain. They attain a height of twenty-four to thirty inches, on stout long stems, making them especially valuable for cutting. The best varieties are:

*Clara Butt*—Salmon pink.  
*Glow*—Bright scarlet.  
*Gretchen*—Blush pink outside, soft rose inside.  
*King Harold*—Deep mahogany red.  
*Philippe de Commines*—Deep plum purple, almost black.  
*Whistler*—Crimson scarlet.

## Narcissus

The old-fashioned Daffodils; these seem to grow in any location, sun or shade. Plant about four inches apart and four inches deep. The best varieties are:

*Van Sion*—Double flowers, golden yellow.  
*Emperor*—Single, dark and light yellow.  
*Empress*—Single, dark yellow and white.

## Snowdrops

Plant about two inches apart and two inches deep. This is the first flower of Spring and when planted in conjunction with Crocuses and Scillas, gives a beautiful effect.

## Scillas

These should be planted two inches apart and two inches deep. The "Scilla Sibirea" is the prettiest variety, being dwarf in habit, and its rich blue flowers are produced both early and freely.

## Crocus

These are so well known that they hardly need a description, and no matter when planted they give a profusion of early Spring flowers. They thrive and make a fine showing if planted in the lawn. A good variety of color is obtained by planting the following varieties:

*Holland's Prize*—Golden yellow.  
*Baron von Brunow*—Dark blue.  
*Mont Blanc*—Pure white.  
*Sir Walter Scott*—White with blue stripes.  
*Cloth of Gold*—Yellow and brown.

## Convallaria

The Lily of the Valley, one of the most beautiful of all flowers, is hardy and brings us one of the first messages of Spring. The roots generally come in clumps and should be planted in a shady location in the Fall. A dressing of bone meal will increase the size of the flowers.

## Pæonies

The old-fashioned pæonies are still a very popular flower because of their early flowering. They can be planted among shrubbery or massed in beds. They require an open sunny



Soleil d'or



Frau Karl Druschki

location, they must not be planted deeper than two inches and may be planted either in the Fall or early Spring, and when the flower buds are forming they must not suffer from a lack of water. A number of the newer varieties are great improvements over the older sorts. Some of the best are:

*Festiva Maxima*—Pure white.  
*Golden Harvest*—Pink, white center.  
*Baron Rothschild*—Rosy lilac.  
*Louis Van Aoutte*—Dark crimson.  
*Floral Treasure*—Clear pink.

## Vines

The hardy vines are very useful for covering verandas, old trees, fences, etc. They can perhaps be divided into two classes, "Clinging," which attach themselves to brick, stone, or rough wood, by throwing out suckers from the stems as they grow, (the two varieties of *Ampelopsis*, *Quincefolia* (Virginia Creeper) and *Veitchin* (Boston Ivy) are the two best) and "Twining," which twine around the trellis or wire or strings. Of these the following varieties are probably best:

*Clematis Paniculata* (Japanese Clematis)—Fragrant pure white flowers and very quick growing  
*Halleana* (Honeysuckle)—White turning to yellow very fragrant  
*Lathyrus* (Hardy Sweet Pea)—Very quick growing, growing 8 or 10 feet in a season: flowers similar to the annual sweet pea but is a hardy perennial, growing from the root each spring  
*Wistaria-Sinensis*—Large clusters of violet blue blossoms, very fragrant  
*Humulus Lupulus* (Hop Vine)—Very rapid grower, useful for covering old fences, trees, etc.

To the list of vines must be added the climbing roses, the old "Crimson Rambler" and "Dorothy Perkins" being perhaps the two best.



An inviting spot



## What Every Foundry Man Ought to Know

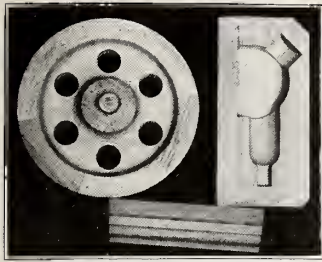
Contribution by  
**FRED COKER**  
 Granite City Works

### THE UNIVERSAL WOOD MILLING MACHINE

One of the most useful machines for wood working, which seems to attract attention of visitors at Granite City Works, is the Universal Wood Milling Machine or Wood Worker. For pattern and core box work, grooving, boring, jointing, routing, surface and molding work, it is unexcelled, and, with extra attachments, for which we are not as yet equipped, can be set up for gear cutting. The machine occupies a floor space of 3 feet by 7½ feet, including motor and guards.

This machine has both a vertical and horizontal spindle for cutters, adjustable to four speeds. Each spindle is controlled by a hand wheel and adjustable to any depth up to ten inches. The table bed is controlled by a hand wheel and moves up and down on the main column. The table is mounted in grooves on the table bed and with a hand wheel is moved back and forth along the bed. The table also has a side motion the length of the table and is capable of being tilted to 45 degrees. Being mounted on a ball-bearing swivel carriage, graduated in degrees, it can be turned and stopped at any angle. It is also graduated in one inch sections on top to facilitate centering. These movements make it possible to get the work in almost any position necessary to cut the wood into proper form. An extra round table is also furnished with this machine and with its use, the main table being tilted and the extra table revolved, tapered holes are made with ordinary straight bits. Surfaces for bevel gears may also be planed and other work of similar description done with this extra table.





Work Produced by the Wood Milling Machine

The character of pipe bends and other patterns and core boxes of like form, on account of irregularities in outline, make the turning on a wood lathe impossible, but these can be worked very nicely on this machine. Such work

as mortising ends of core boxes, cutting in for loose pieces, boring holes for pins in brake-hanger boxes at any angle and routing out for patches and braces is easily and well done on this machine.

The importance of the different movements of the table is partly explained by the accompanying photograph. The gear wheel has been cut to shape mostly by revolving the table and now we are ready for the six lightner holes and they must be cut with draft. We place in a fly cutter at the angle of the draft required. We now move the table so that the distance from the center of the spindle is the correct distance from the center of the wheel as shown on the blue print, and cut our first hole. Next we turn the table 60° and cut another and so on until the six holes are made. This operation only requires a very few minutes, when if the pattern maker turned it on a lathe, he would have to take it off, lay out the holes and bore them and then chisel the draft. Moldings of numerous designs have been made here for our own use on this machine, which would have been very expensive work by hand and a machine for this kind of work in a Pattern Shop would be not only expensive but in the way.

The photograph shows some work done on this machine, and tools can be bought or made to handle almost any class of wood work being done in any particular shop. Its usefulness is only limited by the operator's knowledge of setting up the tools. An experienced

operator adds greatly to the value of the machine in speeding up production and accuracy, for he learns just what tool to use on different work and loses less time in changing tools and setting up work.



Three mines in the states of Louisiana and Texas produce the bulk of the raw sulphur used the world over. In Louisiana a rich deposit of sulphur was recently located one thousand feet underground overlaid by quicksand three hundred feet in thickness. The deposit could only be reached by means of pipes. Compressed air forces the hot liquid to the surface, where it is tanked and eventually congeals.

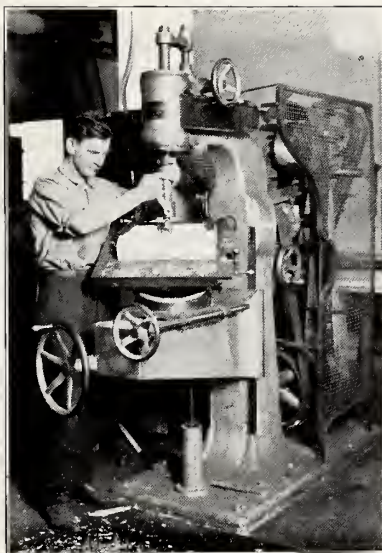
Reports have it Danish railways will enter the markets of the United States this spring with the idea of rehabilitating their road systems which have been neglected for the past five or six years. It is said that six million dollars will be spent for this purpose.

The new republic of Finland is as large as Sweden and larger than Norway. Seventy-eight per cent of the inhabitants are blue-eyed, and fifty-seven per cent, light-haired. This new republic is quite up-to-date, having in its Constitution, Prohibition and Woman's Suffrage laws.

The lightest wood in the world is Balsa wood. Its weight is only half that of cork. It is found in South America and resembles Basswood in appearance. This wood is used extensively in the place of cork; also as a heat insulator.

A small instrument of the type called "Eye Magnets" has been invented to remove small particles of metal from the eye. The core of this instrument ends in a blunt point. A wire support transfers the weight of the magnet from the fingers to the forearm, and the operator is then able to use the point in removing the particle from the affected eye.

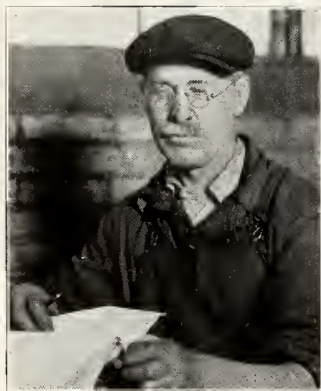
Southern pine has been found to produce a high grade of paper equal to that made from spruce. Until only recently the most crude wrapping paper was obtained from this wood, but of late a process has been perfected which produces a pure grade of white paper.



Wood Milling Machine in Operation (Fred Coker)

## WHO'S IN THE AMERICAN STEEL WHO THE FOUNDRIES

Mr. B. E. Devers, known by his associates as "Barney," is the oldest employe at the Alliance



Works, having attached himself to this organization as far back as January, 1890, only thirty years ago. His employer was then known as the American Steel Casting Company. He was employed as Pattern Tender and is still taking care of Patterns. When it came to producing "No Time Lost" records,

"Barney" topped the list until just recently when sickness prevented his being on the job for three months. Alliance Works is very proud of "Barney" and his record, and challenges any Plant to produce his equal in that respect. He is a Spanish War veteran and a linguist of no little renown, being able to speak seven different languages. Those thirty years of continuous service performed for the Alliance Works of the A. S. F. have been valuable ones to the Company.

Mr. H. J. Kuhlman joined the American Steel "Boosters" at Granite City on New Year's Eve, 1917, as Night Weighmaster and Storekeeper.



Later he was transferred to the Yard Department, as a Timekeeper for a brief period, but was soon restored to the position of Night Weighmaster, which he has held ever since. Recently he has been assigned to extra duties in conjunction with his regular work, and is to be congratulated for the way he has been able to keep up his work as Night

Contributing Editor to Mr. H. R. McCoy, Associate Editor of THE OCTAGON at Granite City Works. In the language of Mr. McCoy, "Harry never fails to have plenty of news items ready for me every week."

Mr. Ray Ennis began work with the Granite City Works in September, 1916, in the Core Department.

He joined the forces in the Chemical Laboratory a few weeks later, as a test boy but was soon promoted to Sampler. Over a year ago he was transferred to the Foundry Department as a Mold Checker. "Red," as he is familiarly called by his friends, is a hustler, and Mr. Lon May, Foundry Superintendent at Granite City, predicts a great future for him.



Mr. William Spellman, Assistant Works Auditor at Hammond, is a native of Ohio. During his twenty-nine years of business experience he has held three positions, first six years with the Erie Railroad at their North Judson Office, then four years in Hammond. In November, 1902, he began employment at the Simplex Works as assistant to Mr. W. Thomas, Works Auditor, and has held the same position ever since. He has never lost a day on account of sickness, is the first one to report at the office in the morning and the last one to leave at night, and his vacations could be counted on the fingers of one hand. Mr. Spellman is married and lives in his own home. He has no children. An active worker in the Methodist Church, he makes a good, dependable citizen. The only dissipation he can be accused of are the long jaunts he and his wife take in their Chandler touring car.



All progress is the result of thrift.

A pessimist is happiest when he is miserable.





Vol. IV

April, 1921

No. 16

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The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employes of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of The Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

### ASSOCIATE EDITORS

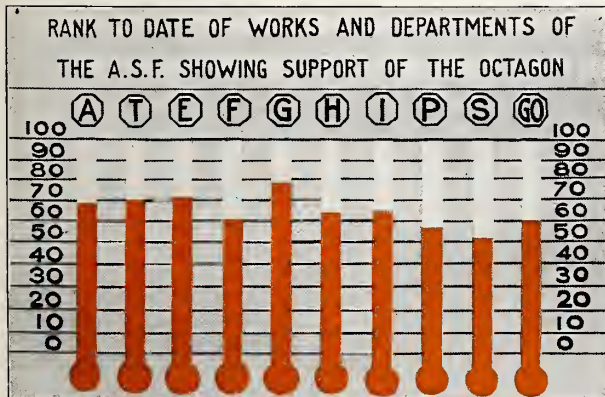
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## A Good Idea

Recently a member of the Alliance Works hit upon the idea of having a sign placed in the department that was the cleanest and a sign in the department that was the dirtiest. These signs were made up and the one for the cleanest department reads as follows: "This is the Cleanest Department in the Plant." This sign is highly polished and very neat in appearance and it is an honor for any department to have it placed therein. The sign for the dirtiest department was made up and reads as follows: "This is the Dirtiest Department in the Plant." The sign is unattractive, the lettering poor, and the pieces of wood and waste hanging from same give it a very crude appearance. The Clean-up Committee at the Alliance Works makes a round of inspection every so often and as the result of same makes the good and bad award. It might be interesting to add that the department which received the dirty sign was soon able to pass it on to another department not so ambitious or orderly as it. The whole idea is an excellent one and might be adopted by all the other Plants. *A little rivalry does no harm.*

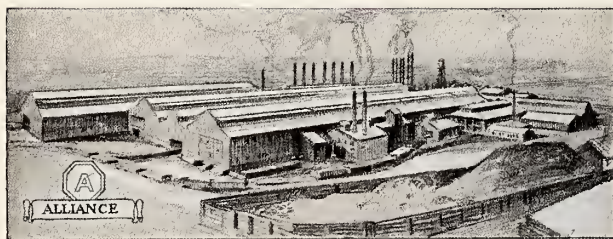
Don't spend your time thinking how much you can get out of your employer's business. It won't pay him nor will it pay you. Spend your time and effort, instead, to see how much you can put into business. This will pay you both. Your employer, no matter how selfish you may think him to be, will quickly take your measure. The more selfish he is, the more he will want to keep the worker who has his employer's interests at heart as well as his own; he will hold on to the man or woman in his employ who is helping to increase his business and profits. The efficient employe will be the last one to go when hard times come and the first one to be chosen by other employers in the same line of business, in their search of good men. Every successful, self-made man or woman has attained success through honesty, industry and efficiency. This is the way by which one man rose from telegraph operator to the head of the largest steel corporation in the world, the way by which another man rose from a water carrier to the presidency of an immense corporation, and still another, from a clerk in a country store to the head of the greatest oil industry in the world. Let the reader who is familiar with the interesting life stories of our business men name one who carried out this plan and failed. Build for your employer. In doing so, remember that you are always building for yourself. (Henry I. Kors, Indiana Harbor).



From the inception of The Octagon to April 1st



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance Works

It takes those of the Alliance Works to get what they want. Just recently Harry Odum came into our midst from the Granite City Works. Here but a short time, gets very lonesome (for her) and quietly slips down to Granite City and brings back a bride, Miss Lila Stewart of Granite City. We congratulate you, Harry, on your strategy and wish you both many happy days.

A notion struck Sidle and McKee, of the Shipping Office, that same office needed a very much good scrubbing, and believe me, it sure did get it. This outburst of excess energy on their part was a great surprise. It was reported that it took fifteen 10-gallon buckets of scalding hot water to loosen the dirt from the office floor, which measured but 15x5. From that you can surmise the amount of dirt that had accumulated.

Pete Taborian, of the Lading Gang in the Shipping Department, recently left us. He has rented a farm West of this City and expects to do trucking during the coming months.

Mr. Jack Danglade needs a valet in order to avoid a mix-up of clothes.

Charles "Barney" Barnhill, Fitter in the Forge Shop was seen doing some mason work the other day. How come, "Barney," thinking about becoming a Mason?

In addition to the arrival of a nice baby girl about two months ago in the Johnson family, we understand that our Floyd has also purchased a very valuable Bulldog.

Fred Gebhardt, of the Metal Pattern Works, has returned to his job after an absence of six months.

Perry Oswalt, our "Vandyked" Policeman, advises that just the other day a man, slightly under the influence of "Mr. Razor Jack," came up to him and advised him that his brother had killed a Street Car in Akron and he was going over to help him bury it.

About fifty couples were in attendance at the last Goompf Club Dance. That JAZZY Stocke-Manne-Orchestra from Canton were the Joy makers. The novelty of the evening was in the form of Washington's Hats for the ladies and gents. A constant stream of people were coming and going from the dancing floor to the second floor where a big bowl of punch invited them.

Alfred Reichart has purchased a new Dodge.



Lucille Gerardot, Stenographer, 2 years' service, Alliance



Albert Brunie, Pipe Fitter Helper, joined Shorty Resser, of the Office Force, on a trip to the Isle of Happiness and returned with a bride. Congratulations, Al.

We take this means of announcing to the Pinochle players of this Works that one Aby Draper takes ON ALL COMERS. Don't RUSH boys—for it sure means DEFEAT.

We understand that some hotly contested games of pinochle are being played after lunch in the office over the new dining room.

One of you fellows might invite "Aby" up (whose challenge you see in these columns) and be treated to a real game once.

Not a thing has been said about our new Dining Room, which was opened at this Works in February. We are expecting in the future to write something about this refectory in THE OCTAGON, that will make any of the Plants having a room like this to sit up and take notice of ALLIANCE.

Yes'm—we have a regular Greenhouse at our Dispensary. Miss Bernette Rosenberg is in full charge and Joe Artino, our Italian Janitor, does all the heavy work. We went down the other day to confirm this report, and sure enough 'twas true. "Fine," we say, "but why do you raise *head-lettuce*?" "Head-lettuce me eye," says Burnie, "that's a perfectly good carnation." We had our doubts, for Joe is very fond of lettuce and we think he slipped one over on our "Burnie."

Mr. C. L. Hoiles who has been on a vacation for five or six months, is back on the job again as helper in the Pattern Dept. "Zahn" was formerly employed here in charge of the Foundry Tool Room for a period of nine years.

Welcome back, "ZAHN."

It is with profound and deep regret that we announce the death of Mr. R. J. Brothers of the Pattern Dept. Mr. Brothers had only been at this Plant a short time until death called him, and to those who knew him he was a gentleman of sterling qualities. We extend to the bereaved widow and relatives our sincere sympathy.

Dan Cossa, Core Inspector, has taken unto himself a wife since the last issue of THE OCTAGON. Dan claims he is \$1000.00 to the good by his jump from single to married *bliss*. His fellow-countrymen are pretty generous.

A sure sign of spring: Mr. Chas. Shaffer, Asst. Works Manager, coatless, vest unbuttoned, sleeves rolled up, and patiently (?) removing sand from beneath a rumbler.

Repairs are now being made to No. 4 and No. 5 core ovens, in preparation for the rushing months to follow.

Amerio "Tony" Marazza, an expert chipper in the Cleaning and Finishing Department, is the proud Father of Twins, born February 23rd. Congratulations and many thanks for the cigars.

Art Heidman, of the Metal Pattern Tool Room was seen passing cigars around the other day. A fine baby boy was the cause. Congrats, Art.

The Foundry force are not going to be outdone by our other departments. Mr. Wm. O'Brien announces the arrival of an eight-pound baby boy, and Mr. Walter Robertson an eight-and-a-quarter-pound baby girl.

We wish to advise Capt. Leckler not to offer any more prizes to his Bowling Team or they never will get out of the cellar position.

A short time ago our attention was called to a gathering of the male clerical force in the Order Department where all seemed to be interested in a well-known weekly magazine which we believe you are all familiar with, (?).

The front page was panelled with beautiful bathing beauties on the beach of the Pacific Ocean, and the inner pages were very interesting. We do not know where that copy came from but we are led to believe a certain young lady stenographer was responsible. As a result, all the boys look for Friday as a good day, for on that day it makes its appearance.



Geraldine Grace, daughter of Harry Palmer, Assembler at Alliance Works



W. Edwin, son of W. H. Winter,  
Indiana Harbor



Katherine Edith, daughter of  
H. J. Freese, Pittsburgh



Edward Bruce, son of E. H. Tinker,  
Granite City



Margaret Ella, daughter of H.  
Rishel, Granite City



Alice, daughter of J. L. Warhover,  
East St. Louis



Buddie, son of Fletcher Hudson,  
Hammond



Joyce, daughter of Harold Wallis,  
Indiana Harbor



Richard, "Dick," son of L. L. V.  
ney, Hammond



Mary Margaret and Cathryn Anita,  
daughters of A. G. Williams,  
Chicago



Thomas and Jack, Jr., sons of  
Jack Ward, Alliance



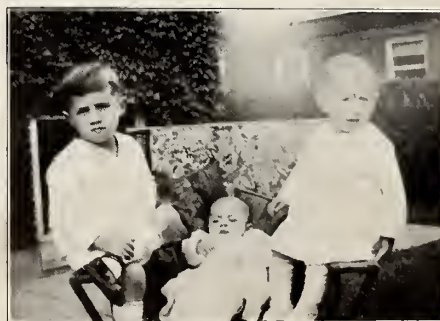
Walter Calhoun, son of W. T.  
Cribbs, Franklin



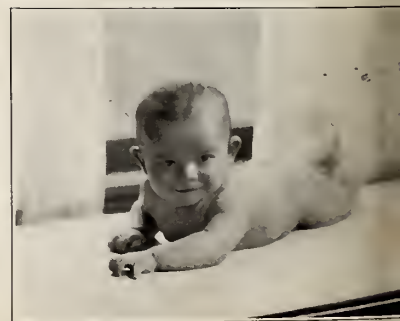
Bertha and Elizabeth, daughters  
T. Haenlein, East St. Louis



Ann Catharine, Monica Florence, and Margaret  
Josephine, daughters of B. F. Karns, Franklin



J. Robert, James F., and Thomas J., sons of  
L. F. Engleton, Indiana Harbor



Donald Edward, son of C. B. Alexander  
Alliance





Virginia, daughter of W. J. Geddert, Alliance



Margaret Joan, daughter of G. F. Norton, Franklin



Loren L., Jr., "Mick," son of L. L. Whitney, Hammond



Doris Margaret, daughter of Robert Chapman, Granite City



Jane Louise, daughter of H. L. Leyda, Franklin



Russel D., son of D. J. Gordon, Indiana Harbor



Lawrence, son of J. L. Warhover, East St. Louis



Joseph Lee, son of J. E. Graham, East St. Louis



Elmer, Jr., and Edwin, sons of Elmer Orr, Alliance



Arnold Allen, son of L. E. Reese, Franklin



George L., Jr., William W., and Clara Jean, children of G. L. Alston, Alliance



Joseph E., Jr., son of J. E. Wagner, Franklin



Louise, Adolph, Elizabeth, Francis, Carl and Adolph, children of Adolph Schatzle, Granite City



Charles William, son of C. T. Morgan, Alliance



James and Carl, Jr., sons of Carl Butler, at Chester





Joe Rioci, Chipper, seven years' service, Alliance

Our Bulk Material Clerk, Mr. Priestley, beside his regular duties in the Plant, is a chicken fancier, a baseball pitcher, a breeder of Angora cats, a pool shark and last, but not least, it is rumored he may enter the prize ring.—Success Fred.

Mr. Leon Stewart, our illustrious clerk from Maine was recently transferred from Yard to Foundry Office.

Mr. Terry Hoffman, Night Yard Master, at present is confined to his home. Here's wishing for your speedy recovery, Terry.

Old man Sherlock Holmes himself was in our midst the other day in the form of Harry Olden, Auditor from Chicago Office. Why is it every time Harry makes his appearance at this Works, a certain member of the Yard Office gets uneasy?

At the Columbia Theater, Thursday Evening, March 3rd, 1921 the Works Council Athletic and Entertainment Committee gave a fine program. The initial feature of the evening was "Hush" a "movie," in which Clara Kimball Young took the leading part. This was followed by songs and buck and wing dancing by our Storeroom Clerk, J. C. Harry. Mr. Harry, who has had several years' experience in this line with Neil O'Brien's Minstrels, surely deserved the applause which he received from his admirers. Messrs. Nail, Wilson, Lewis and Peterson, colored singers from the Cleaning and Finishing Department, next on the program, are to be highly complimented on the several selections rendered by them. Last, but not least, was our Roy Shrimplin, the "Mysterious." "Shrimp," as he is known in the Core Room, held the audience spellbound with his "Magic Wand." He is so clever that he tells his audience that the closer you watch, "Why, the

closer you watch." Standing room was at a premium for the house, with a seating capacity of 1500 was filled. Five hundred eighty-six tickets were sold and through the courtesy of the Management of the Columbia Theater, who advertised the event in the daily papers and on the screen as "American Steel Foundries Night," featuring their own talent, we had a capacity house. Our next adventure will be held in about three weeks. Committee—Messrs. J. E. Ryan, Chairman, G. L. Alston, and Harry Richardson.

## NOTES ON "THE BIG NITE"

Say Jess, "Why the whispered conversation with the Piano player?"

We watched Shrimplin pretty close and came to the conclusion that, "who ever heard of a full dress Tuxedo having pockets"?

We strongly back up the assertion that our "Jess" is the best buck-and-wing dancer around this part. Not only can he dance but music is his second cousin. "The Blues" and "Howya Gonna Keep 'em Down on The Farm," are his favorites and were heartily received.

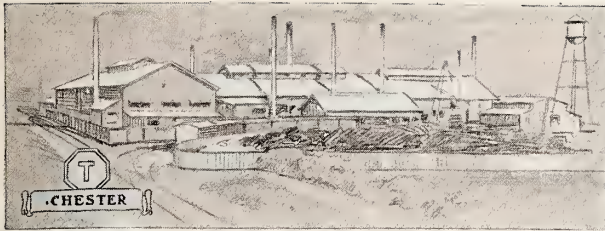
We sure are proud of our quartette of colored singers. "In the Evening by the Moon-light" and Parody on colored folk songs were followed by much hand clapping.

We have in our City a colored Barber Shop operated by Mr. John Gay. Two of his best customers are our colored Janitor, Mr. John Minor, and Mr. F. W. Priestley, our illustrious Bulk Material Clerk. It has always been a question to many why these two sports patronized Mr. Gay's shop. Well, Mr. Minor is not a firm believer in the Eighteenth Amendment, and after each of Mr. Minor's visits Mr. Gay has been missing a quantity of hair tonic. And for Mr. Priestley, well, hair cuts are 25 cents at Mr. Gay's and 50 cents down town.

Dan Mead, Pin Heater in our Forge Shop, who is back with us after a vacation, says he stood perfectly still to be hitched or (married). We sure wish him bunches of good luck. We all smoked good cigars on the happy couple.

Our employment Agent was quizzing a new man as to date of birth. He stated he did not know exact date, but remembered it was night time and that it was snowing. Some memory.





## Chester Works

Vic Dinkleman's Ford was standing out by the Storeroom the other day when Cooper came along and to test the tires he kicked one of the front ones, and the back swung around and hit Cooper's shins. Vic was sore for awhile for he had spent nearly a week polishing it up for the Open Season for Fords, which starts this month.

Bill Kennard, No. 1 C. & M. Chainman, the Old Time Pug, claims he is just as good as he was back in 1889, and has promised to show some of our younger Pugs a few points in the Manly Art over in the Gym.

Charles Wrightley is back on his old job in the Tool Room after being off sick for two weeks.

Weston Eyre, Works Council Secretary, has promised to have a Volley Ball for the tournament at the Y on March 26th but up to the present time, he hasn't had them out for practice yet. Come to life, Wes and get them on the job.

Manlove Levi Ruthrow Jones, of the Red Hammer Gang, is the only living rival of Victor A. F. P. D. J. Dinkleman, in the size of names. The Repair Shop is justly proud of Vic and his name and claim the heavyweight championship of the Plant.

Howard Kelley, Electrician, was out riding in his Ford one day when it was struck in the back by an Army Truck and Kell claims the back seat of his Ford flew up and hit him in the back of the neck. Kell is now contemplating selling his Ford and purchasing a Bungalow, as he claims that Fords are entirely too rough.

Tommy Leonard, Better Known as Tommy Smart, the live wire of the Steam Hammer Gang, (The Reds) is some basket-ball player (according to Turk Garvey) and shows all the lads from the other Departments up when he disports himself over in the Gym. The Reds have issued an ultimatum to the Contributing Editor stating that if the news they give in isn't published, they will declare war without further notice. Take heed, Dick.

Frank Cloud, of the Hammer Gang, is contemplating starting an alligator farm in Florida where he can also brew a little home made Hooch occasionally, without receiving a friendly visit from the revenue officers. Cloudy claims there should be a good market for alligator hides at the present time owing to the scarcity of pocket - books.

Jerry McVey, Inspector in C. & M., doesn't sport around quite as much in his new Briscoe lately.

Frank O'Brien, No. 1 Foundry Molder, is again working with the old gang. Frank was away for about five years as General Foundry Foreman with the Scullin Iron & Steel Co., at St. Louis and we are glad to have him with us once again. Frank is also an old Spanish War Veteran, the only one around the Plant with the exception of Bill Foster, Open Hearth Foreman. Frank served on the battleship Minneapolis.

Harry Hurd is going out of the Belgian Hare business because he claims there are too many gunners in this vicinity.

John Brooks, Master Mason, has earned for himself the title of "Master Marksman" cause if he had missed that fellow any closer with that brick, good night!

Mike Murtaugh, No. 1 Foundry Foreman, claims the costs of the Pattern Shop are going up on account of Dutch Kestner taking some core prints home to make his boy a wagon. How come, Dutch?

There is a lot of talent going to waste in the Foundry. Ed. McGinnis recently won a prize for the best dancer in Library Hall, while Tom Mooney, gave an exhibition of the old dances—schottisch, rettaway, old waltz, etc., at the Leo C. C., the other night.

Shadow Black, the Slim Jim of the Foundry, is running a close second to Slim Buckman of the Pattern Shop for the honors of the longest men at this Plant. So far, we think Bart Fringer of the Engineering Department has something on both these boys.



Charles Rightley, Tool Room Man,  
15 years' service, Chester



William P. Foster, Open Hearth Foreman, twenty-one years' service, Chester

Cooks' Tours have nothing on the Repair Department. Every day they take a trip under the efficient guidance of Admiral Hawke through the Orient and Far East, returning by way of England, France, etc. This is a personally conducted tour, lasting 45 minutes, although it is sometimes necessary to ride in a Side Door Pullman. These tours are conducted in the Repair Department between 12:15 and 1 P. M. every day and are open to the public at large. Apply to Admiral Hawke.

Byron Sutherland, of the Repair Department, has returned from a visit to Washington where he witnessed the inauguration of Mr. Harding. Byron and Mr. Harding settled quite a few important questions during his visit and Byron claims he is now going in the trucking business, as with a Republican administration he will have protection. Byron contemplates the purchase of four trucks.

Cooper had one nice job at the Y Shop Night. He gave his coat to Dutch Kestner to hold, Dutch got tired and gave it to Elmer Burke and "Burkey" forgot to return it to Coop. Coop finally made the announcement to the crowd that if the man was smaller than he was he could have the coat and Elmer said very weakly, "Here it is, Coop."

Horace Hickling, of the Pattern Shop, recently had the misfortune to have a very serious fire at his home, damaging his furniture and belongings very badly.

Harry Lewis, Truck Driver, and Dick MacDonald Employment Agent, were recent visitors to the Windy City as E. B. A. trustees. Harry and Dick claim they saw some sights, particularly on the train.

C. W. Nichols, of the Production Department, has taken unto himself a bride, and is now residing on Forest View Road, Parkside. Congratulations, Nick, even if they are a little late. It's your own fault, tho.

Dick Coyle is getting to be quite a belle around the Plant. Dick is now sporting a black eye and Charlie Chaplain mustache. They are now molding him a wrist watch in the Foundry and are going to present it to him at one of the basket-ball games in the Gym at Noon. It is whispered by Walt. Bowley that he presented Dick with his optical adornment. Walt is still walking around without crutches.

It is with regret that we learn of the death of the father of Elmer Burke, of No. 1 Foundry, and we desire to extend our sympathy to Elmer, in his bereavement.



## East St. Louis Works

A much mooted question as to who is the best chipper in the C. & M. Department has never been settled. Perhaps it would be a whole lot like: "You can still say Budweiser but it doesn't mean anything."

The secret of the million dollar smile on the face of Zack Archer, Chef-de-Luxe, has been fathomed. Zack "went and done it"—to wit: Clerk's Office, Church, Minister and a gold ring.—Nuff sed (Now I know why an Associate Editor received such elaborate attention at his evening meal the day after).

The Cafeteria at night is being run as a short order restaurant with Ham and Eggs and Sirloin rare as the leading favorites.

That Gus Wettig, Commissary Clerk, is becoming hard hearted became an established fact, when he turned on an icy stare and chilly smile, to two starving department foremen who tried to "mooch" a piece of pie. We did not think it of you, Gus, and if you won't come across to us direct, how about donating us a few to send to starving China?

Mr. H. S. Gordon, Mr. M. Connors and Mr. S. Burnison, are back at work for Mr. Dooley again. These are all old employees at this works and we are glad to see them back on the force.





C. M. & A. Department, East St. Louis, Standing: B. Flynn, A.W. Langendorf, E. Partgen, A. B. Kurrus, M. H. Meyers, G. L. Ebert, E. E. Dowell, D. A. Prindabel, John McAuley, and Harry Baugh. Sitting: Frank Curtis, J. J. Tracy, H. E. Janies, Frank Curran, and B. L. Beasley

The yard department was prominently represented in the February OCTAGON with their drop on the cover page.

Mr. L. V. Day, Works Engineer, has moved from St. Louis to E. St. Louis. Mr. Day says he prefers living on this side of the river but don't like the size of the "Jersey birds" that abound in these parts during the summer months.

If there is anything we like more than pie it is more pie.

And when those pies bear the famous OCTAGON "E" they become world beaters.

The office force joined the night owls and worked three nights the first week of last month.

With the opening of the fishing season, some of our sportsmen slipped away for a day or two to enjoy the spring breezes and try their luck with the hook and line. The fish they caught were not half as big as the tales they told on their return. They left the lake with a minnow and by the time they were back on the job it had reached the proportions of a whale.

Mr. Walter Zeis and Mr. Henry Gullic, Assistant Pattern Foreman and Process Inspector, respectively, of the Granite City works, paid us a visit recently, renewing old acquaintances, and looking for ideas that would enable them to run their pattern shop as efficiently as the E. St. Louis Pattern Shop.

The majority of accidents are very often due to the carelessness of others. Every employee should make it his individual business to see that when leaving his job that he has left nothing in the aisles to trip over, no nails to step on, or anything piled that may fall over. By doing this, many accidents can be avoided.

When it comes to reading pattern numbers by the sense of smell, we believe that Mike Loncarich, of the Inspection Department, is a match for J. L. Warhover of the C. & M. Department. Both of these gentlemen are handy to have around on inventory day.

It is not often that one has the opportunity to observe two men so deeply interested in their work as Harry Simmons, Assistant Foreman and Bennett Kane, Inspector, in the "Double Truck" bay.

Alex. Smith, Pattern Shop Foreman, is no longer a patron of the "Banana Taxi." Alex recently became General Manager of a Buick Six. We say "general manager" advisedly, because he sits in the front seat and tells someone else how to run the car.

Mr. Ches. Walcher, Shop Supt., acted as assistant to Dr. L. G. Harney, administering the vaccine to the employees arms after the Doctor had made an excavation for that purpose. Ches will try anything once.

Mr. Lance Utt, Inspector for the Gulick & Henderson Company, who has been located at this works for this past few months, acting as "Umpire" in the game of C. & O. Double Trucks, has been pitching ball in the "Sunny Southland," in the Southern League.

Mike Semosky, who to escape the clutching hand of the Old H. C. L. hied himself to Cleveland, Ohio to make a fortune, is now back on the job of making bottom boards for the Foundry flasks. Mike failed to shake hands with Dame Fortune as to landing a good job and says that the cost of living in that man's town is out for an altitude record, and that to his mind will get said record in a walk.

"Happy" Cronin was receiving the sympathy of his friends who thought he had developed a carbuncle or an ulcerated tooth over night. To their relief however, it was only an extra large chew of Horse Shoe Plug. "Happy" in a period of absentmindedness had bit off about 20 cent worth more than the usual standard chew.

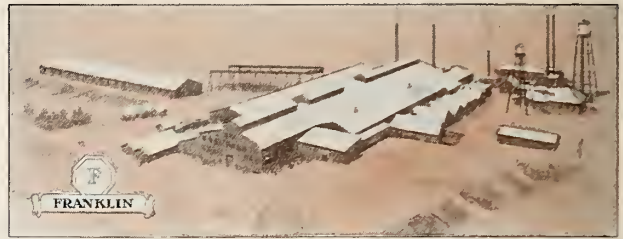
Mr. H. F. (Pee Wee) Gallety, of the Yard Department is now officiating as night C. & M. clerk and Cashier at the Cafeteria.



Martin Reis, Metal Pattern Foreman, 11 years' service, East St. Louis

John Martin, Night C. & M. Foreman, and his assistant Edward Kehoe, get more work out of a given amount of men than any one we know. They have systematized their work so as to impose no hardship on either the employes or themselves, consequently, it goes on like a well-oiled piece of Machinery and goes to prove that system is the thing that counts most in obtaining results.

The new alarm whistle installed on the Dispensary Building makes a noise that is a cross between a cow singing tenor and a full grown bull frog and, therefore, it is safe to say that it will not be confused with any other noises around this works.



## Franklin Works

We would like to know if the Goompf Club at Alliance Works has any good 500 players in captivity who would like to receive a few pointers with regard to the game. All those interested, should get in touch with Gay McCrady, who holds first honors around these parts.



William Morgan, Machinist Foreman,  
East St. Louis

Eddie Roach, our efficient Six-Wheel Truck pressman is becoming more and more expert each day. Ed knows just what to do to them at the right time and just how much pressure to give the "big boys."

Beauford Beasely, our Beau Brummel, came around the other day so elegantly attired we thought for a moment he was president of the plant, or the United States. Beauford explained that he had been out calling and had forgotten to come home in time to change clothes. Wonder who his poker playing friends are, or better still, we wonder who the lady is?

Rumor has it that Jimmie Cleary, our Shipping Clerk, has a particular leaning toward nice quiet girls. We know of a nice deaf and dumb girl who would fill the requirements exactly.

Some may like their briar pipe; some their cigaret; Some a good cigar, or a horse on which to bet—  
Some may crave a bon-bon—others, a girl or two;  
While others, a fragrant rose in morning's early dew.  
But each man to his fancy—be it pro or con,  
East St. Louis always wants the A. S. F. OCTAGON  
(J. L. W.)

Will the conductor of the "Foundry Definitions" column, please define "The gate end of the riser."

It is our understanding that Don Plumer is particularly fond of Jazz music, especially when the band is a long ways off. As Don has heard all the great artists in his line he should be able to judge this kind of music (?) without descrimination.

Chick Singleton is rapidly going from bad to worse. A few weeks ago he smoked on an average of three cigarettes a day, now he is specializing in hand made Pollacks and Mail Pouch. Chick says that it is only the weak who weaken and that there are only a few left who can keep up this pace.

Gay McCrady has just received the glad news that his big brother, Ed, in Indianapolis, is the proud father of another son. Although the connection is slightly remote, this makes Gay an uncle again, so we are hoping that the smoke fumes will materialize.

Bill Elliott, the present Night Watchman, would like to have Uncle Sam's Reclaim Department send him a couple carloads of the magazines which were sent across the pond to our boys, during their recent sojourn there. Bill says that the time goes slow on the night shift and something to read between the trips helps to keep him from getting sleepy.

It was almost necessary to change our first fire drill by the new brigade to a First Aid demonstration. Charlie Richardson, hydrantman, in turning the water off at the hydrant, let the wrench slip and bumped himself on the nose, which caused that facial improvement to bleed most profusely. If this keeps up, we will have to draft Doc Cribbs into this brigade to take care of the dead and wounded and also call on Josephine Miller to act as Head Nurse.



Joe Wagner is anticipating a big fishing season this year and in preparation for it has decided to have a new flat-boat built and fix up his fishing pole and lines. Joe thinks the outdoor life is the greatest tonic possible and when old Sol brings the buds out in the Spring, we predict a busy time for the fish in French creek, for Joe is going after them strong.



(When it comes to breaking records, he has a good one to overcome, a catch of four big bass which aggregated over fourteen pounds in weight, this catch being made on an ideal afternoon last year.)

Larry Reese is about the sweetest thing around here at the present time, his main ambition being to combat the old H. C. L. by purchasing some granulated sugar for his friends and neighbors, as well as the bunch here at the works. We certainly wish him all the luck in the world, as the shekels saved in this way could be used for the purchase of some more good turpentine.

The new Fire Brigade had its first tryout recently and demonstrated the fact that its members were all there when the whistle blew. The station was at No. 5, which is located at the Northeast corner of No. Foundry, and in forty-five seconds, according to Larry Reese, the connections had been made and a stream of water was being played on the imaginary fire. The brigade includes all the retained day employes, with the exception of the Boiler Fireman and Miss Josephine Miller, who says she will serve hot coffee and sandwiches in case a real fire breaks out. The following is the official line-up: Chief, L. E. Reese; Asst. Chief, P. P. Allen; Engineer, Cal McMurdy; Hydrantmen, C. H. Richardson and Bennie Karns; Chief Hoseman, J. E. Wagner; Hosemen, Gay McCrady, Chick Singleton, Clemmis Rinehart and Harry Leyda.

Messrs. Bennie Karns and George Norton are busy with purchase orders and inquiries arriving in bunches, covering the transfer of miscellaneous stores to the other Plants. Their motto is "the More the Merrier."

Ira Jones, Night Fireman on the boilers, is spending his extra time in deciding what he will write for the "Greatest Thrill Column" in the OCTAGON. Ira has had so many thrills he don't know which one is the greatest, so he has to take some time before making a decision.

J. E. Wagner, Works Auditor, attended the meeting of the Employees Benefit Association Trustees held in Chicago the latter part of February. Joe was the only representative from Franklin Works and reports that the old smoky city is still on the map.

A sure cure for those mean headaches has been found by Messrs. Allen and McCrady in a good 100-yard dash to the scene of action when the fire whistle blows. Clemmie Rinehart also says that if future drills do him as much good as the first one did, he will be young again and consider the fire hose a modern fountain of youth.

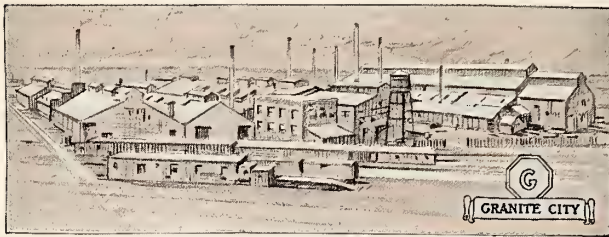
Our old friend Spooks Wilt paid us a visit recently from Alliance Works, and reports that everything in that plant is trying to survive the present conditions, and that the Goompf Club is flourishing. Without mentioning any names we would like to know what the limit is in the poker games staged by this club and if deuces are allowed to run wild. We would also like to know what happens when a man gets a good hand and raises more than the limit allowed. Lucky for those fellows that Walter Anderson went to Indiana Harbor instead of Alliance.

Cal McMurdy as Day Watchman finds time to lend a hand in making the many shipments of stores items to the other plants of the A. S. F. Cal is an old employe and his services are all the more valuable under the present circumstances.

It seems to be official that Harry Leyda has fallen heir to Henry Coupelet, "the 15th," late property of Glenn Wilt, who was transferred to Alliance Works. Leyda, of course, thinks that this is one of the best cars that Henry built, as it seems to be giving the same satisfaction to him that it gave to Glenn.



P. R. George, Asst. C. M. & A. Foreman, 5 years' service, Franklin



## Granite City Works

Mr. George Biederman recently forgot his clock card number and it took him a few minutes before he recalled it to his mind. Jim Wright asked him what he would do if he forgot to fill the gasoline tank on his machine and got half way across the McKinley Bridge and discovered he had no more gasoline. Biederman quickly retorted that he would do the same as Wright did when that happened to him. Speak up, Jim, *what did you do?*

Mr. Joe Hoffman, accompanied by his wife, made a trip to his farm near Bourbon, Mo., on one of those balmy days recently. He took a suit case with him containing garden seeds. In addition to a splendid garden, Joe has lots of pasture land, and a number of hogs and cattle, of which he is very proud.

It seems our Assistant Works Auditor, Mr. H. J. Fechte, has taken up a side line. When he returned recently from a trip to Chicago he discovered to his surprise (?) that he had not only all of his own baggage, but a hand bag, which he had never seen before. Henry says it was accidental.

We are very pleased to see "Doc" Meyer's smiling face in the Core Department again. Mr. Meyer was seriously ill during February.

Two employees of this Plant, one living in Granite City, and the other living in St. Louis, were talking about the relative merits of their place of residence. The St. Louis man stated that living conditions in St. Louis made a man look ten years older than he actually is. The Granite City man interrupted and won the argument by exclaiming "You're all wrong, look at Phil Lauff."

"Cousin" Sam Brandt, our energetic ladleman, has been doing very nicely on the wheel pouring. He handles the ladle like an "old timer." Sam says that the Davis Wheel Ladleman's most popular song should be one entitled "Till the pouring cup doth run over."

Mr. Robert Batson, of the Core Department, makes a good looking watchman. Roy can hook the harness around his neck more gracefully than anyone who has ever yet made the attempt.

Mr. Henry Ballott, Foundry Foreman, has been proclaimed the champion coffee drinker of this Works. Henry will pass up a glass of milk or water, but he simply cannot refuse another cup of coffee.

Mr. Harry McDonald, Timekeeper in the Foundry, has been suffering from an attack of acute indigestion.

Charles Long has been transferred from the Day shift to the Night shift in the Storeroom. The boys on the day shift are singing "So long, C. Long, how long you gonna be gone."

Mr. J. J. Whitworth has been transferred from his position as Clerk in the Storeroom to Night Watchman. It is reported that Joe is well pleased with the change.

Messrs. M. Crabtree and M. L. Edwards, recently checked up the amount of steel scrap materials on hand in our Yard, and found that previous inventories were short several hundred pounds. Upon closer examination, however, they were obliged to accept the figures of the previous inventory, for they found that they were including the several parts from Mr. Arthur Prout's car, which he recently took apart.



Frank (Bud) May, Process Instructor, 20 years' service, Granite City



Bob Martin, our invoice clerk, has been a busy chap here of late. Bob was discovered at his desk working overtime the other evening—evidently he is trying to bat one thousand in the clerical league.

Mr. J. E. McDonald, of the Foundry, has expressed his intention of coming out as candidate for member of the Works Council from his district. Mac is very popular with the men in his department and many have promised to “give him a lift.”

Messrs. Mowry, Corbett and Duncan, of the Foundry, were seen over in the North Plant looking over the castings, which their men had made the day before. When one of our Apprentices asked what they were doing over in the cleaning room, they stated that they were looking for Drafts in the Draft Arms, Sides in the Side Frames and Bowls in the Bolsters.

Mr. A. Rowlett has returned, resuming his old position as Derrick Chainman in the Yard Department.

Pete Atanasoff, a Bulgarian Stocker in the Yard Department, boasts of four thumbs instead of the customary number allowed by nature. Peter says these extra thumbs are of no especial advantage to him but they do not hinder the progress of his work.

Mrs. Muriel Moore, our night cook, recently visited the oil fields at Columbia and Waterloo, Illinois, but reports that she still has all her money. This is indeed remarkable, for we have known several instances where recent visitors have lost money speculating in the oil fields.

Mr. Wm. Dougherty, of the Yard Department, has purchased a home in Granite City.

Mr. Henry Marx, Clerk on the Open Hearth, recently visited his brother-in-law who conducts a pharmacy in St. Louis. “Nuff Ced.”

George Beaver, who has returned to this Works, is now serving as a Derrick Chainman until he can resume switching in the Yard Department. As a switchman George sure “shakes a nasty signal.”

Mr. W. Bradford has been promoted from the labor gang in the Yard Department to the position of stocker. Bill can handle pig iron and scrap almost as easily as the electric magnet.

Mr. A. H. Kuhlman has been temporarily transferred from the Yard Department to the Main Office. “Ollie” was formerly in the Main Office, but he later became Bulk Material Clerk and then accepted a position as Boss of the Derrick Crews and Labor in the Yard Department.

Mr. Jonas Lewis, Derrick Operator, in the Yard Department, has been temporarily transferred to East St. Louis.

Mr. George Winters, our assistant Yardmaster, was used rather roughly in our soccer foot ball practice game. The other members of the team found it difficult to locate the ball, but they certainly did locate George’s shins.



Robert Ford, 20 years' service; Tom Jones, 10 years' service; William Smith, 17 years. Chainmen, Molding Department, Granite City

Mr. E. Emmel has resumed his position on night turn in the Wheel Department. Ask Emmel which turn is the best, night or day. An owl can't work well in the daylight, neither can Emmel.

The Stork recently appeared in the homes of two of our employees and left each a baby girl. The lucky ones were Fred Gilleland, Annealer Foreman, North Plant, and Charles Long of the Storeroom. Everyone enjoyed the cigars, which the proud fathers passed around to their friends.

The picture shown of Frank (Bud) May in this issue, was taken several years ago when he was on one of his annual fishing trips, and but for the generosity of one of his friends, would never have been published. Apparently the catch was good.

Mr. Paul Guilman, Tin Shop Foreman, recently purchased a fine Overland Touring Car. Perhaps the dry condition of his mouth he complained of the first time he drove it explains why he chose the road to Belleville for his initial trip.

Messrs. George Mann and William Schmidt, of the Foundry, recently shaved off their mustaches after receiving a special communication from the President of the Royal Order of Fleas to do so at once, or undergo the displeasure of this dignitary.

Mr. Murel Corbett, Foreman of No. 12 and 22 Molding Floor, made a business trip to Chicago recently.

Granite City Police Department ha been requested to add two more speed "cops" to the force. This addition will be necessary, because Mr. Lon May, General Foundry Foreman, has just overhauled his automobile.

Mr. George Robinson has returned to work in the Wheel Department. George is an expert wheel roller, but he is more expert at handling wheels to and from the heating furnace and quenching rings.

Mr. E. Doniff, Boring Mill Operator in the Wheel Department, has purchased a nice home on Madison Avenue.

Mr. "Red" Goudy, scaleman, has returned to his former position in the Wheel Department after an absence of two months.

Mr. Roswell B. Swezey has been appointed Chief Inspector of Wheels, vice Mr. Tom D. O'Brien, who has been transferred to the North Plant as Chief Inspector of Castings.



**Hammond**

Will some learned gentleman pause long enough to solve the following riddle for the Spring Department? The Superintendent, Mr. Richwine, claims every time he combs his hair, he sneezes and we have seen it demonstrated innumerable times.

"Pack my box with five dozen jugs of liquor" is the shortest sentence in the language containing all the letters of the alphabet, but since July 1st the fellow who does so is apt to draw one of the longest sentences on record.

Mr. Milton Pfau has been transferred from the Brake Beam Department to the Accounting Department.

The Spring Department cleared decks March 9th when Mr. Worley, Chemist, brought his camera, down to take Mr. Richwine's picture, "our" Superintendent. Plentiful comments were bandied about by the interested audience, but we are sorry to report, the gentleman will be compelled to pose again which will delay his appearance in the "Who's Who" column.



Miss Jane McCluskey, Telephone Operator and Associate Editor, Hammond Works

Miss Myrtelle Huehn, Stenographer in the Orders & Material Department has resigned. We were more than sorry to lose her.

Messrs. T. E. Moritz, Purchasing Agent and J. A. Carruthers, Asst. Purchasing Agent, paid a visit to the Hammond Works recently.

Mr. C. G. Kingwill, Supt. of the Order & Material Department has been the recipient of a belated Christmas gift from Honolulu. The present was thankfully received, even though long delayed.

Mr. Fletcher Hudson, Chief Electrician, has returned from the sanitarium without much benefit. He is now on a special diet to eliminate much of the poison from his system.

Misses Elizabeth Brauer and Alice Kummer, Stenographers, were both ill a few days with colds but are back at their desks.

Mr. Walter Baselt, formerly of the Brake Beam Department, of the Simplex Works, visited here recently to renew old acquaintances.

Our telephone operator reports that, although the new switchboard is somewhat complicated, compared to the old one, it is fascinating to run.

At present, our Blue Print Room seems to be having a busy time so that they are requisitioning anyone having an idle moment to help make up blue print books.



Mr. Theodore Doe, Accounting Department, has resigned. This does not rob the department entirely of "dough" as we still have his brother Joe Doe with us.

Mr. Lee, Employment Agent, when going home the other night, had the top of his two-passenger Ford blown off. "Lizzie" probably decided she needed a new spring bonnet and invited a gale to do her dirty work.

Mr. Fred Clark is our new man in the Accounting Department. We are always glad to welcome newcomers to the fold.

Messrs. Tom Gilfillen and McNab made a trip to Indiana Harbor which they failed to explain, but we strongly suspect it was to sample "Mother" McNab's famous pies.

Mr. E. S. Cooper, Chief Draftsman, was in the City Office Feb. 16th on Company business.

Wonder if anyone else besides his own office has noticed the "cocky" angle at which our Works Manager wears his hat?

The Simplex is not superstitious when it comes to signs, but they are taking heed of the following: "Please do not lean on the glass. Have a chair."

The mother-in-law of Mr. Val Schweigert, Superintendent, Bolster Shop, passed away Feb. 19th.

Mr. Johnsey, Receiving Clerk in the Storeroom, was called to Memphis, Tenn. on business. While we will miss the genial gentleman, we hope he will stay long enough to acquire some of his forgotten southern dialect.

Mr. H. J. Bocker was transferred from the Indiana Harbor Works to the Hammond Plant where he is to have a position of Stores Clerk.

Messrs. Rudolph Arm and J. S. Collins, E. B. A. Trustees from the Pittsburgh Plant, visited us recently. We hope at some future date the gentlemen will be able to repeat the performance.

A jaunt to the Mandarin Inn for chop suey indulged in by nine of the girls here recently caused a moment of curiosity among the male element of the Simplex office. According to all reports, a very good time was had.

The E. B. A. Trustees' Meeting was held at the Chicago Office, Thursday, Feb. 24th. The Trustees from the various plants were entertained at dinner at the Hotel Congress after which they saw "Dulcy" at the Cort. Owing to the recent loss of a sister, Mr. Walter Halfman, Head Time Keeper at Simplex, was unable to attend.

Mr. Charles Borchert, Watchman, has returned to work after an attack of rheumatism.

Miss Esther Schaeffer's family have moved, temporarily, until their new home is built.

Simplex Plant boasts of having three stenographers on the payroll, who are the daughters of ministers. Two of these are sisters. We are just as good as we can be.

Mr. D. D. Myers, Simplex Inspector at the Standard Malleable Iron Co., visited the home plant recently.

"D" Haus, Watchman in the old Brake Beam Shop, who had a stroke Feb. 20th, passed away Feb. 23rd. Our sympathy goes to the wife and daughter who survive him.

Messrs. Arthur Beck, and W. H. Kellog, Draftsmen, both with us a few months, resigned March 1st.

Mr. Frank Richwine, Supt. of the Spring Dept., was happily surprised recently when an uncle and cousin walked in unexpectedly upon him.

Miss Elizabeth Brauer, Stenographer in the Supply Department, at this writing is reported quite ill with the "flu." We are hoping for a speedy recovery.

Miss Lila Shafer was temporarily thrown out, bag and baggage from her home, recently, because of her niece contracting scarletina.

Miss Alleen McCoy, Stenographer in the Drafting Department, made a recent visit to Indianapolis.



Miss Lila E. Shaffer, Private Secretary to Works Manager, 14 years' service, Hammond Works

The Simplex girls voted our big, good-natured Yardmaster, Mr. Mulligan, had good taste when it came to selecting candy.

Mr. Orville Hineline, Electrician, and Miss Florence Godfrey were married at Crown Point, Ind., recently.

Mr. H. F. Davisson, Clasp Brake Store Clerk, has been transferred from the Department of Orders and Materials to the Cost Department.

The following explanation was vouched us, when we commented on the oddity of the appearance of one of our Simplex men, who appeared at the office with his sideburns shaved well above the ears; "After painting my kitchen in the evening I started to shave, but my arm had not properly adjusted itself to the different occupations; hence the new style shave." Through innumerable recitals, he stuck to the original story.

Irving Schaeffer, machinist, had a severe case of inflammatory rheumatism, caused by infected tonsils, which had to be removed.

The call of the gasoline proved too much for Val Schweigert, Superintendent of the Bolster Department so he began negotiating for a car. He finally decided on a Dodge, guaranteed to be sound, gentle and with no spavins, which was just what Val wanted—as he had not had much experience with cars. The salesman gave him five minutes' instructions in driving and then placed the car in a shed facing the alley, close to Val's home. The next afternoon, Val invited Mrs. Schweigert and the children for a ride, saying he would have the car out by the time they were ready, and he hastened to the shed. Finally he got the engine running, shifted a gear, after which the car gave one wild leap backwards, stopping with a jerk; the rear end being up against a shed on one side of the alley and the front against the fence on the other. Val petted, coaxed and teased, then resorted to cussing, but nary a move would the car make. By this time, all the neighbors in every house in the block, were out watching the fun, so Val became desperate, sounding the S.O.S. signal, but no tug boats were cruising in that vicinity just then. Finally the neighbors devoted their combined strength to getting the car back in the shed. All this time, mind you, Mrs. Schweigert and the children were waiting.

Messrs. Walter Halfman and O. B. Thornburg have been transferred to the main office. Both men

are of the Timekeeping Department. Mr. Halfman, Bolster Timekeeper, was located in the Stores Department, while Mr. Thornburg, payroll clerk, was formerly in the Brake Beam clock-house. H. J. Broker, formerly of the Indiana Harbor plant, is now located in the Stores Department, Simplex Plant.

John Peck, of the Bolster Shop, passed some good cigars amongst the boys, on the arrival of a new nine-pound girl at his home.

Mr. Jeff Walker and Mr. Fred Brose, custodians of the Brake Beam Casting Yard will have their office in the Brake Beam clockhouse.

A new Dispensary is to be fitted up in part of the Stores office. Mr. Sturm will be located in this department.

Most of the "dead sure" propositions, in which we have invested our money, must have been "sure dead a long time."

The spring weather affects people differently. For instance, our Storekeeper, George Engleman, went to Sharon as early as March to take his Pullman Roadster out of winter quarters.



**Indiana Harbor**

Captain Harold Osman of the All Star Bowling team, has been wearing a real smile lately since trimming the "Peppers" in the last League match. "Ozzy" loves to whip the leaders and reports indicate the All Stars are headed for first place.

Supply Agent C. B. Johnson has returned to his post after a visit of great importance to St. Louis. His parents celebrated their Golden Wedding anniversary. We wonder if Carl will hold out that long?

W. F. Grebe and Alex ("Scotty") Johnston attended the E. B. A. convention in Chicago, and both agree they had a big time, especially at the "Cort."



Since our dining room has been decorated and new lights installed, the appetites of many have increased. All honors due to the painting crew that swung the brushes. The job has been pronounced as "A-No. 1."

A little housekeeper has been employed at the home of Mr. William H. Parker, Supt. of No. Two Foundry. The little one arrived Sunday, February 20th, and from late reports, baby, mother and "Daddy" are feeling great,—and Bill was "on time" with the smokes.

The latest improvement made, is that of new curtains placed on the windows of our freshly painted dining room. Our kitchen force are to be complimented on their selection of material—next suggestion is a "soup silencer."

Andy Schubert and Ray Means, two popular young men, have resigned and set out for the "Golden West." These boys are expecting to follow Foundry work somewhere near Denver.

The new molding floor installed on Walter Johnson's floor has proved to be a real producing unit and our records indicate a larger production if the work continues to come in.

The Cleaning Room in No. One Foundry has been improved and the time has finally come when Harry Charlson is able to get an upper hold on the many thousands of castings that have been crowding him. Much credit is given to Harry in his drive to catch up.

John Methgen has handled the plant mail for a number of years, taking it to Chicago direct. One night John was busy and had to engage a substitute, so Thomas Lovejoy offered to help Johnny and carried the mail, but he almost lost his eyesight on the trip. (The reader will be held in suspense as to the reason, which will be published in a later issue.)

Carl Boeble has been transferred to the Order Department, after serving faithfully in the Production Department. His new duties are handling inquiries as to delivery, production and shipments.

Johnny Voight, Foreman of the Jarring Machine, has been ill with an attack of stomach trouble. Some one recommended Jamaica ginger but John says N. D. (Maybe he needs a cook?)

The 500 Club are looking for two players to fill the vacancies left by the Misses Meda Norton and May Grott, who are not now with the Company. Here's hoping they find substitutes until the young ladies return.

George McCaffrey is our new Discount Clerk, replacing Bill Butler. Mac says he is busy these days, keeping one eye on the white paint brush and the other on his landlord.

On Thursday, March 3, 1921, the Certificates were awarded to the members of the class completing their Course in Modern Production Methods. The presentation was made by Mr. F. A. Lorenz, Jr., and the boys feel as though they have been rewarded for their home-work and pronounce the Course as a great builder, especially for those connected in the manufacturing business. The team winner in the Course was no more than the "Reds" captained by Harold Wallis. The final standings of the teams were the Reds, Greens, Whites, Browns and the Blues. As a special offer for the winners, a prize was promised by Mr. Lorenz, and each member of the Red team was presented with a silver pencil (Eversharp) specially engraved with each member's name appearing, so as to protect the boys from losing their gift. The individual high honors went to Mr. Frank Evans, Assistant Chief Inspector. His average was 81 points and for his efforts a beautiful gold pencil was his prize. (P. S. Mr. Evans also was a member of the Blue team in last position but he put it across.)

"Jock" Scholes, singer, dancer, sometimes actor and also a steel molder, is working on the green sand floor, after being transferred from the Production Control Department where he served as Mold Inspector.



George H. Voight, Special Watchman, 17 years' service, Indiana Harbor



C. B. Johnson, Supply Agent, Indiana Harbor Works

Bill Parker has joined the Painters' Club and his work has been inspected as being O. K. Bill specializes in kitchens and pantries. We often wonder why.

Some of the old-timers in No. Two Foundry, Skelton, Getty, McColly and Winicki, are now making their home on the No. One side, but Foundry smoke is the same on both sides, they say.

Mr. Robert Larson, Foundry Clerk, has moved his belongings over into No. One Foundry. Bob says the new office will eliminate errors in posting, as he will now work under natural daylight.

The Messrs. Dan Murphy, Jay Means and Rud Eidam have purchased tickets via the Wabash R. R. bound for East St. Louis Works to take up some special work. The Harbor boys as usual send their best of luck with the trio.

Bill Winkleman has been transferred from the Mechanical Department to No. One Pattern Shop, filling the position left by Mr. H. J. Erkenswick who is working nights.

Eck Brandes is to be commended for the hard work he has done in rearranging the Storeroom. He is one of the wide awake type of Storekeepers that believes in "System." Material Bins have been tagged and painted and the entire room renovated.

Mr. S. H. Sutton, connected with the Engineering Department of the General Offices, has been a regular visitor at the Indiana Harbor Works Forge Shop since they have been repairing equipment.

Miss Ruth Bergmark, stenographer, also Plant piano player, absolutely refuses to accompany the singers unless they sing the music the proper way it is written. The entire Plant is with you, Ruth.



**Pittsburgh**

The married men who have come to this Works from Franklin Works are an exceptionally quiet and conservative bunch. They go out once each week to

attend lodge (have not missed a session, it seems, since their arrival) but immediately after the meetings hasten back to their rooms. They are indeed model men, and their wives are to be congratulated.

Ralph Shipley has it in for the rent profiteer; his rent was raised. Ralph would appreciate it if someone could tell him where he could obtain a house, where the rent would become "cheaper as the years go by." (So would we.)

Mrs. Jos. P. Collins, wife of our Assistant Works Auditor, recently visited the office. Everyone was glad to see her.

Our Local Prohibition authorities have overlooked a bet when they failed to secure the services of Josh, our man of all work. That old boy can locate anything from a distillery to a hennery. Josh says he can bat 1000 in that League.

We are glad to hear that Mike Hawkins is rapidly recovering from his recent injury and hope that he will be among those present in the near future.

Miss Edna Eiffler is desirous to obtain information concerning the aftermath of the 8:30 Club. It appears that someone took a fancy to a certain part of the "eats" that was to be kept over for lunch next day. A huge dish of Sauer Kraut with trimmings will be given to the party who brings the guilty culprit to justice.



**Tony Shlerinsky, Grinder,  
15 years' service, Pitts-  
burgh**

Thanking H. S. of the Chicago Office, Charles Beppler, our Storekeeper and reputed "woman-hater" received a most voluminous questionnaire which was to be filled out *truthfully* and returned to sender. The information which he supplied, we understand, is quite interesting, such as, "He can cook breakfast but won't; believes in candy, flowers, theatre tickets, etc."



**T. J. Bennett, Supervisor of  
Orders, 17 years' service,  
Pittsburgh**



Pittsburgh Works is in the lead again! On March 4th, the inaugural address of President Harding was "pulled out of the air" by wireless for the various employees who wished to "listen in." Through the ingenuity of our friends and co-laborers, John B. Davis, Master Mechanic, and "Charlie" Bepler, Storekeeper, we were able to hear the news by wireless. "Charlie furnished the idea" and the wireless apparatus and "J. B." did the rest. At 12 noon the inaugural address began to come through the air and everything was expectancy in the Repair Shop where the receiver was installed. As the various points of the address were emphasized by the official listeners, there were many comments and demonstrations, some joyful and some otherwise. Some of those present were much depressed when no mention of "home-brew" was recorded and insisted that part of the speech had been omitted. The ladies were much interested and showed marked attention although it was their first real inaugural "listening in." However, they, too, showed their keen disappointment because no mention was made of the fashions and various modes seen during the progress of the event in Washington, D. C. At 12:45 the "air quit talking" and all went back to their lunches after extending a vote of thanks to Messrs. Davis and Bepler for their ingenuity and thoughtfulness.

They say that the Second Helper on the O. H. Furnace is a real honest-to-goodness He-vamp. It is said that he uses powder, rouge, lip stick and pencil before going out to kill 'em.



Joshua Phillips, Janitor, 3 years' service, Pittsburgh

The following conversation was heard on March 4th, in the office of J. B. Collins, Production Engineer at Pittsburgh Works: Joe MacCord (Foundry Clerk): "If President Harding and Vice President Coolidge should die, who would be called in?"

J. B. Collins and chorus: "The Secretary of State."

Joe MacCord (with a chuckle): "No, you're all wrong. The undertaker."

This was too much. The chorus separated and the aforesaid J. B. C. made a hasty exit.

The Works Library is now open. Books are circulating and we believe the library will prove a great help to the organization at Pittsburgh.

Pittsburgh boasts of an expert debater—"Roll" Herpst will argue anything even if he has nothing better than the weather to talk about. As a clerk he'd make a good lawyer. Ask John Davis; he knows.

Pittsburgh Works held an indoor picnic recently at the Lawrenceville Branch of the Y. M. C. A., for all employees and their families. The form of entertainment took in boxing, bowling, swimming contests, etc. Mr. H. W. Petty was General Chairman of the Committees.

Mr. George Alston, Works Auditor, at Alliance, visited us recently. George says he is getting fat—he has gained a quarter of a pound since New Year's.

Mr. D. W. McGeorge, formerly Assistant to the Fourth Vice President, but now associated with the Edgewater Steel Co., recently called at our Works. We were all glad to see Mac with his pleasant smile and hearty hand-clasp.

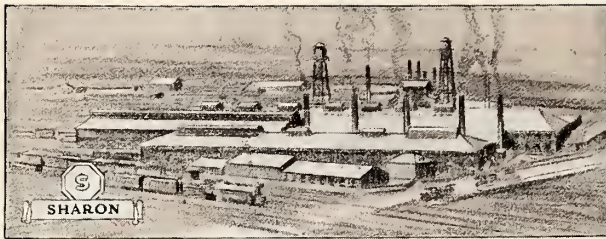
We can foresee a brilliant career for King Callery, our Red Hair Craneman, either as a financier (or possibly in the pen). He coaxed a mongrel cur to follow him from Butler Street to the Works and then sold it to Lee Brinling for \$2.00.

Elmore Boles, Pattern Shop Clerk, takes a singing fit every afternoon 4:00 p. m. Lew Meyer, Foreman of the Shop, gets real angry at him, as he cannot maintain discipline during this time. As a singer, Elmore is a good clerk.

Joe Richards claims he can raise chickens cheaper than anyone in the Works here. We suspect that they would be raised from the other fellow's pens. Let's see how it is done, Joe.

There is quite a controversy going on at present between Howard Warburton of the Core Department and "Sis" Edwards of the Pattern Department regarding who has the prettiest hair and the best shape. They have decided to leave it to a committee of young ladies of our office. Reports of the test will be published in the next issue.

Mr. Ed. Medlar, Payroll Auditor, is with us again. Ed says that he expects to take the boys over for a pair of shoes again.



**Sharon**

Dan Barnes is taking lessons at golf, and if he is as slow learning golf as he is in other things, the teacher has some job.



**Evan Davies, Pipe Fitter, 5 years' service, Sharon**

When it comes to fooling the people, that boy Arthur Jones is clever; although Herman Long is a close second. They are both dog fanciers but they get the dogs different ways—Long buys his dogs and then gives them away and Jones steals his and sells them.

We understand that our friend, Jack Dan-glade, has been having trouble with his tonsorial outfit lately at Alliance. Jack should put his cap in his pockets when he eats, and then be sure that those pockets belong to *his* coat. It's a great disadvantage to possess a popular-size garment.

As was briefly mentioned in the March issue, H. J. Rollinson is very much peeved these days because he wanted to be known as the "Apple King," and get his name in the newspapers as such. He started out rather well, getting his first load of apples quite cheap. He made every effort to make a good impression with these apples, having each one carefully wrapped, holding the idea that with everything else in the food line at the highwater mark, he surely ought to get 50 cts. apiece for his apples—if they looked right. He kept these apples under lock and key, but alas, every one of the luscious beauties disappeared from their stronghold. Mr. Rollinson hasn't offered a reward (in fact, he doesn't like to talk about the apples at all) still he would like to know what became of the apples.



**General Offices**

It has been intimated that the General Offices will before long lose another one of its fair feminines who will relinquish her duties for the same old reason—matrimony.

If the member of the American Steel Foundries who left copies of THE OCTAGON for December, January and February, at the Automat on Van Buren Street, will call at Room 1236 McCormick Bldg. (OCTAGON Office), his property will be restored to him and no questions asked.

There has been just one revision in the Code Book since notice appeared in the March OCTAGON, Page 103, dated 2-16-21. Is your book up to date?

Miss Helen LaVelle of the Voucher Department has resigned to be married.

Miss Bissicks has returned to the Accounting Department after a three weeks' leave of absence.



**J. M. Lisoroweth, 4 years' service, and O. A. Swartz, 1 year, Maintenance Engineering Department, General Offices**

We wish to extend our sympathy to Miss Helen LaVelle in the bereavement of her father.

How's the Home Garden coming? For personal pointers, address your inquiries to Mr. H. Olden, or send your suggestions to THE OCTAGON where everyone can take advantage of them.



Mr. and Mrs. W. Ross Gravener were visitors in the General Office during March. As is generally known, Mr. Gravener is our Sales representative at Washington, D. C., and on account of the location of his office, his visits are few and far between.

Mr. George Alston, Works Auditor, and Mr. Alec Robertson, Works Manager, Alliance Works, were recent visitors in the General Offices.

Mr. George E. Scott, First Vice President, sailed the first week in March for Europe to attend the International Red Cross Conference in Geneva. He is then going into Poland and France. Mr. Scott sailed on the S. S. Imperator.

Mr. Arthur O'Connor pushes a restless pencil over his correspondence these days. With the California weather we are having in Chicago, the golf fiends find the call of "the shinny stick and the little white ball" a strong one.



At Indiana Harbor Works

Strikes      Spares      Splits      Slips

Wolfie Pattullo of the "All Stars" is sporting his brother's shoes in hopes of breaking up the League for high score.

Tommy Boshold, leader of the "Aces," can call more splits than "Maggie Walker," but never gets any. No luck, boys.

Jack Sterling continues to collect the wood and things look bright for "Gumps" with a regular fellow hitting around 180.

"Is" Engleton claims painting interferes with his bowling. Too bad, "Is" better get a brush and quit the League.

Frank Clancy, the fighting democrat, has promised the boys the "Aces" will not claim last place when the final bell rings.

The high three game score was made by the "Gumps," removing the crown held by the "Peppers" with a sweet count of 2523.

"Wingy" Taske has returned to the lineup for the "Aces" after spending three weeks as a sick man. Better luck next time, Fred.

Geo. McCaffrey hung up the high individual score with a handsome count of 243. Hurrah for the Irish.

The "Gumps" took three straight from the "All Stars," gaining two full games on the leading "Peppers."

Captain David of the "Gumps" is wearing the smile that won't come off. What's the big idea?

Fred Murley, Captain of the "Peppers" is still holding his own, with a neat average of 169 for 45 games.

"Big Bill" Mauer has developed a new delivery—watch his feet next time.

The "Peppers" have reinstated Stanley Lind after a lay-off caused from a nervous breakdown. How come?

## At Granite City Works

The so-called champion all-around Bowling, Pool and Billiard team consisting of Frank May and A. B. Fisher, have seemingly relinquished their honors to the Sonquist-Mecartney team, as A. B. Fisher was overheard saying that he would be willing to accept the Sonquist-Mecartney challenge to a bowling match if they would spot them 20 pins. (No wonder May and Fisher always win.)

## At Alliance Works

Scores of Last Game in Bowling League at Alliance

	Games	Won	Lost	Pct.	Tot. Pins	T. Avg.
WILDCATS	15	10	5	666	11465	764- 5
WARRIORS	15	9	6	600	11620	774-10
INDIANS	12	7	5	583	9100	758- 4
BRAVES	15	8	7	533	11538	769- 3
CUBS	18	7	11	388	11512	750- 6
PANTHERS	15	4	11	266	10898	726- 8

High Three Game Team Score, 1st—Warriors.....	2458
High Three Game Team Score, 2nd—Cubs.....	2422
High Three Game Team Score, 3rd—Braves.....	2422
High Single Game Team Score, 1st—Warriors.....	889
High Single Game Team Score, 2nd—Wildcats.....	852
High Single Game Team Score, 3rd—Panthers.....	848
High Three Game Ind. Score, 1st—Biery (Braves).....	637
High Three Game Ind. Score, 2nd—Rosenberg (Warriors).....	570
High Single Game Ind. Score, 1st—Biery (Braves).....	266
High Single Game Ind. Score, 2nd—Rosenberg (Warriors).....	235



## SEMI-ANNUAL E. B. A. MEETING

The semi-annual meeting of the Board of Trustees of the Employees Benefit Association was held at the General Offices of the American Steel Foundries on February 24th, 1921. Mr. F. E. Patterson, Treasurer of the Association, presided as Chairman of the Meeting, at the request of Mr. R. P. Lamont, Chairman of the Board of Trustees. Mr. F. H. Elam, the Manager of the Association, was the Secretary, and Mr. W. J. McElligott the official stenographer. All of the Trustees were present, with the exception of Mr. C. W. Conger, of the Alliance Works.

The Meeting was called to order at 9:30 A. M., and a very interesting program followed. Financial and Membership Reports for the year 1920, were

presented to the Trustees for their consideration, and the Trustees authorized the preparation, printing and distribution to the members of the Annual Report, which is to include these reports. The Meeting adjourned at 12:30 P. M., and the Trustees reassembled a few minutes later in the Green Room at the Congress Hotel, where they partook of a special luncheon. During the afternoon a few of the Trustees were shown the various departments in the General Offices, while others were taken to see the printing establishment of R. R. Donnelley & Sons Company, where THE OCTAGON is printed.

At 6:15 P. M., the Trustees again met at the Brevoort Hotel, where dinner was partaken of, and the party then saw "Dulcy," at the Cort Theatre. The weather was moderate and added to the enjoyment of the day, and from the expressions heard, everyone seemed to feel that the Meeting had been a success and the occasion a pleasant one. The accompanying photograph presents a good likeness of the visiting and local members at this meeting in the following order:



Front Row: Left to right, C. C. Thornburg, F. H. Elam, F. E. Patterson, T. Drever, W. A. Suttie.

Second Row: J. P. Collins, R. G. Arn, E. E. Dowell, A. Johnston, W. F. Grebe, W. P. Halfman, G. MacDonald, P. J. Grundon, H. B. Lewis, H. J. Fichte, H. J. Rollinson.

Third Row: W. C. Guthzeit, C. B. Alexander, J. E. Wagner, W. J. McElligott, H. E. Long.



# Company Products



Cast Steel Rack Trolley Side



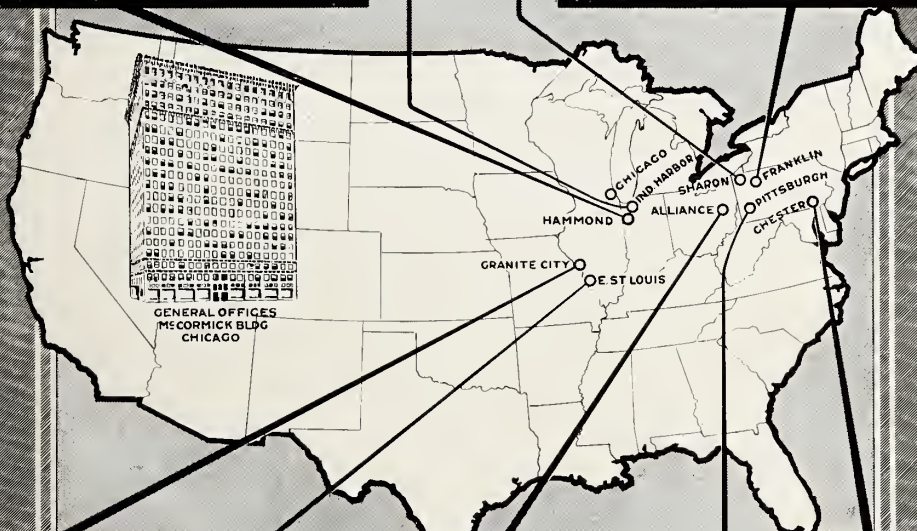
Cast Steel Vulcan Side Frame



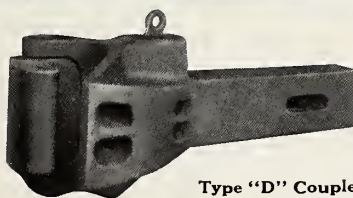
Volute Buffer and Draft Springs as used on foreign freight equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







# THE OCTAGON

|| May, 1921 ||

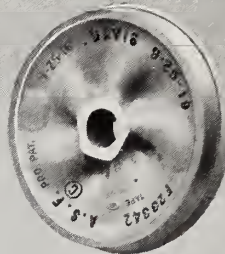




# Company Products



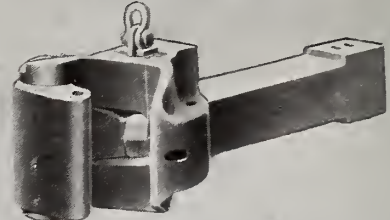
**SPRINGS**



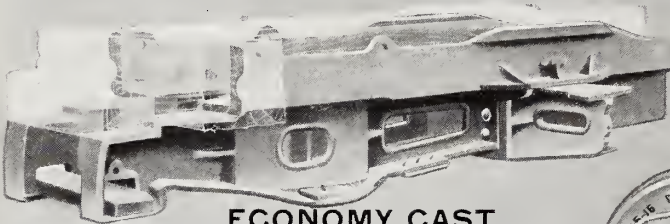
**DAVIS  
STEEL WHEELS**



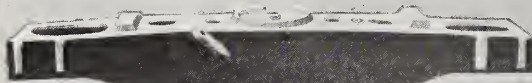
**AJAX AND HERCULES  
BRAKE BEAMS**



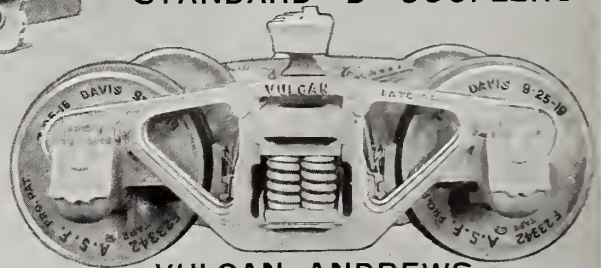
**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



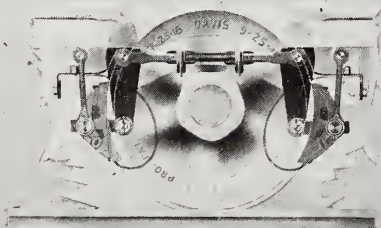
**ECONOMY CAST  
STEEL DRAFT ARMS**



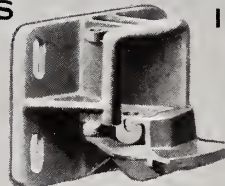
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



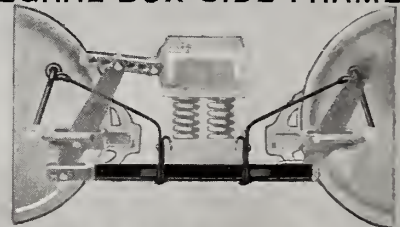
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



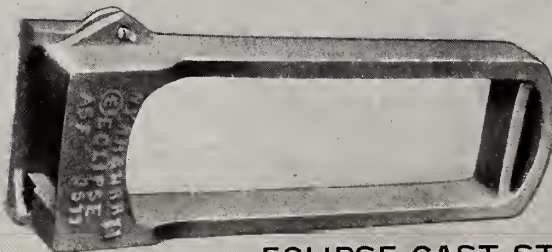
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





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NUMBER 17

## CHINA AND SOUTH MANCHURIA

By

A. G. WILLIAMS, Manager Export Department, General Offices

**P**EKING, the capital of China and the metropolis of the North, is a city of wonderful contrasts between the old China and the new. Here one sees walls, gates, temples and palaces, whose noble proportions and high golden tiled roofs are complete records of the wonderfully progressive race whose descendants live in filth and squalor around the decaying monuments to their former greatness.

The Temple of Heaven, one of the most beautiful buildings in the world, stands surrounded by its marble approaches and courtyards amidst groves of fine old cedars, uncared for and unprotected from the elements, looted of its beautiful furnishings, neglected by all save admiring tourists who carry away memories of the massive though graceful lines of this poem of royal purple tile that is being allowed to crumble away.

The famous Summer Palace, built, by the old Empress with money appropriated for a modern Navy, is indeed a fairyland worthy of any

queen's dream. Built on the side of a rocky hill along the shores of a shallow lake near Peking, one beautiful courtyard after another unfolds around the marble walled lake shore until the beautiful marble boat is reached, apparently gracefully floating alongside the wharf. This is all the navy the Chinese got for their money, but it has one advantage in being placed where it is—it is still above water. Tea was served us on its deck and



Marble Boat at Summer Palace near Peking

judging by appearances, the Empress's original table cloth was used.

Probably the most interesting place in Peking is the Imperial Museum in the Forbidden City, only recently opened to "foreign devils." Here are exhibited carvings, paintings, bronzes, potteries, cloisonné, rugs, etc., of such amazing beauty and in such quantities that a Westerner, after turning back the pages and getting a glimpse of the China that was, feels saddened to think of the difficult position it now occupies in the world.

New exhibits are constantly being added from the Imperial Treasure House of the Forbidden City to take the places of the articles that disappear. Thus a collection that any nation in the world could be proud of to represent its cultural history is being dissipated to enrich petty officers temporarily in power.



Temple of Heaven at Peking where the old Chinese Emperors made annual supplication to heaven for rain and bountiful harvests

China's Great Wall, built 2000 years ago and 1500 miles long, took a hundred years to build, and one male from each family gave his entire lifetime to the labor. It winds from peak to peak at random, no hill too steep to stop its progress, an effort apparently having been made to find the longest line between two points. So well was it built, however, that for hundreds of miles the wall is intact with scarcely a brick missing.

The northern Chinaman or Manchu is a tall good-looking person. Men six feet tall are common and still bigger ones are frequently



The Manchus in the above picture are respectively 7'4" and 8'½" tall

seen. The two shown in the picture, however, are exceptions. Many queues are still to be seen, as well as bound feet, but the latter not on girls less than eighteen to twenty years old.

## South Manchuria

South Manchuria was captured by Japan in the Russian-Japanese War; since then Japan has been in control of the railroads and seaports.

In the north, Mukden, the old Manchu capital, is the railroad center, with lines running west to Peking, north to Harbin, east through Corea to Fusan, and south through the important coal, iron and farming districts to Dairen and Port Arthur.

At An-Shan the Japanese are building a modern city, planned for a population of 150,000, which will furnish the labor for the coke ovens, and blast furnaces for the steel plant they are building, which is to have an annual



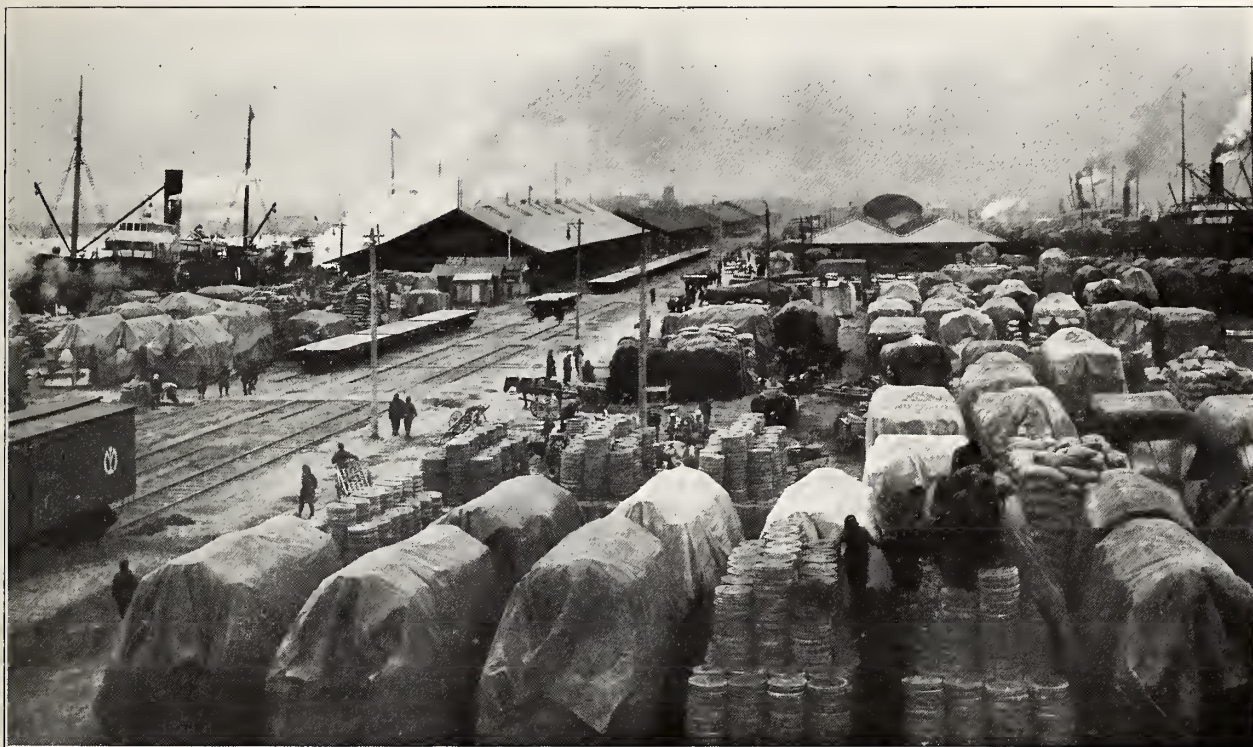
This Vein of Coal at Fu-Shan, South Manchuria, is over 200 feet Thick, 1 Mile Wide, and 30 Miles Long



capacity of a million tons. Near here they have a concession of eight whole mountains that are practically solid iron ore of a low grade running forty to forty-five per cent.

A short distance away is Fu-Shan, where they are mining coal by the stripping process, there being from twenty to fifty feet of shale and earth covering the coal. The vein varies in thickness from 200 to 400 feet and is about a mile wide by thirty miles long. Two of the

handled five million tons of freight. Of this total, three million tons were soya beans and its products, bean cake and bean oil. Fifty warehouses with a capacity of 50,000 tons each are used to store the beans and bean cakes. American soap manufacturers now use half a million tons of the oil annually. The importance of the soya bean is not realized in America, as its uses are few and it was scarcely known here ten years ago.



Soya Beans and Bean Cakes Stored On Wharf at Dairen

openings are over a mile in diameter and look like operations at the cuts on the Panama Canal, as coal is being scooped up by steam shovels on a dozen different layers of track. The coal is a poor grade of bituminous and, so far, a satisfactory coking method has not been developed, though a battery of modern coke ovens has been installed.

Dairen is the seaport, through which nearly all the trade originating in this country passes. Here is being developed one of the most important ports on the Pacific, which last year

The soya bean is light brown and about one-half the size of the navy bean. In making oil the bean is ground up, steamed, and the oil is extracted by presses somewhat resembling a cider press. The residue is the bean cake about the size and shape of a hand grindstone and is sold as a cattle food and a fertilizer.

All the labor is done by Chinese coolies who are very strong and efficient workers. In the super-heated pressroom straw sandals and beads of perspiration constitute their entire working costume.

Port Arthur, the old Russian stronghold, captured at terrific cost after a memorable siege, is now a quiet, unfortified port chiefly interesting for its historical associations and demolished fortresses.

The most important industrial concern is the South Manchurian Railway, which is the most progressive railway in the Far East. Their road bed is standard gauge, has heavy rails, and the rolling stock throughout is built to

American standard, including automatic couplers. In addition to the operation of the railroad and extensive steamers, this company has charge of the development of the iron and coal mines, steel mills, bean collection, storage systems, etc. At every important town excellent hotels are maintained. At Dairen a central laboratory is conducted to experiment and develop new industries for the country.

## THE CLEANING, MACHINING AND ANNEALING DEPARTMENT

By

J. L. WARHOVER, Casting Tracer, East St. Louis

THE progress of the Cleaning, Machining, and Annealing Department depends on the proper division of the work by operation, organization, separation of material into proper classes, scheduling of work, and suitable written records. System proves the deciding factor in establishing a department of this kind on a satisfactory basis. The individual needs and requirements of the C. M. & A. Department are not the same in all of the eight Plants of this Company, but, nevertheless, there is a certain amount of similarity at the specialty plants, and this article shall deal in a broad way with the systems that affect the efficient operation of the Cleaning, Machining and Annealing Departments in the Specialty Plants of the American Steel Foundries.

### Operation

In order to obtain the best results, it is necessary to divide the work of the department into various operations. This division, through its operations, must be made by a systematic method, permitting the work to flow uniformly through the shop from one operation to the other. Some cleaning departments have no direct connection with the foundry, and as a consequence the steel must be transported on

cars. When a car is once in position on the roughing floor, the overhead cranes promptly begin unloading. The steel should not be thrown down in a haphazard mass, but must be placed intelligently where it will require a minimum of effort to remove the gates, risers, and fins.

The foreman in charge of Roughing operations directs the flogged steel to the annealing furnace. Here the castings are brought to the required heat and withdrawn to make room for others. From the annealing furnaces the castings pass to the shot blast. Owing to the high temperature of steel, when poured, a considerable quantity of molding sand always adheres to the casting when shaken from the mold, the amount varying with the quality of sand and the care with which it has been prepared. The well-directed stream of shot serves to effectively remove all such sand. The shot-blast method of cleaning castings is necessary where a good surface is required, and where machining is to



J. L. Warhover



be done. Shot blasting has other very good features, such as being a very rigid inspector, readily divulging all defects, and proving to be one of the many avenues through which tool expense can be lessened, by removing the hard, burnt sand before coming in contact with the pneumatic hammers.

The castings, once thoroughly blown, are ready for the chipping rails and the pneumatic hammers. The chipping hammer consumes vast quantities of compressed air, and care should be exercised in proper method of handling to insure a maximum of results for air expended. The castings pass from the chipping rails to the hydraulic presses and then to the final rails. Here, as the name implies, the final touches are



A view in the Finishing Department, showing the chipping rails

given a casting before being loaded into cars, or, submitted for the inspector's approval.

## Organization

The foreman at the head of this department selects the very best men to represent him as assistant foremen in charge of the various operations. Men so selected are the mainspring of the many divisions, as they come in actual contact with the worker. The roughing floor, the chipping rails, the final rails, the welder, the hydraulic presses, must all have a competent head who must manage well in order to insure against any one division becoming clogged with an excessive amount of castings. The flow from the foundry to the shipping tracks must be uniform. The men selected as

assistant foremen must not only handle their work in a creditable manner, but must also see that their division of the shop is kept neat and tidy. A shop that becomes littered with gagers, kindling wood, sand, scrap and broken brick, does not insure good results, nor does it reflect credit to the department. Nothing so tends to destroy the efficiency of an able organization as unsightly piles of castings thrown together into a great mountain of steel. A few moments expended at the right time will overcome this difficulty in short order.

## Classification

Under this heading we come to one of the most important phases of machining operation. Commencing at the annealing furnaces it is necessary to keep the castings separate by classes. A casting, in order to stand up under service for which it was designed, must be thoroughly annealed, and in order to insure this to a certainty, the steel must be loaded on the furnace trucks with a stern regard to the uniformity of the various types. Castings will vary in thickness of metal, and it is well, so far as is possible, to load castings from one pattern at the same time. The Economy Cast Steel Draft Arm is taken from the pile and systematically placed for annealing purposes, thus assuming its first semblance of order. The truck bolster, the body bolster, the draw bar yoke, and the six-wheel truck bolster, all have a peculiar individuality, and the systematic operation by classes speeds up production at the furnaces, as well as insuring a more even annealing, because the various types have been properly grouped.

It is also good practice to place the various types in orderly array on the shot blast trucks. The proper placing will permit the operator to speedily turn the castings in the dust filled chamber. Without loss of time the castings are then placed on the chipping rails where attention must be turned to pattern numbers. Rails must be lined with one pattern number as far as possible. This method serves to

increase the production of the chipper, and also insures good work. As a consequence, one set of gauges proves sufficient for each rail. This saves valuable time. The unsystematic lining of the chipping rails would only force the chipper to search for many and varied gauges. In case the shop is running on short orders it becomes necessary, at times, to line the rails with miscellaneous pattern numbers. Even in this extremity the castings should be grouped as nearly as possible by pattern number.

The forethought of lining the chipping rails by pattern number makes it a very simple matter to line the hydraulic presses in like manner. This serves to speed up production. One set of gauges to a press is all that is necessary. The qualifications of each individual pressman should be studied with a view to permanently placing him on the type of casting best suited to his ability. Constant association with a certain type of casting soon makes him an expert in his work.

The final rail operation is very important because it devolves upon the inspectors to use extraordinary care, as this is the last operation in the department. Here, as elsewhere, the rails must be lined with a certain respect to pattern number. The inspectors on the chipping rails have already made sure that the gauges fit well, with the result that effort here is reduced to a minimum. Each inspector must have a certain number of men who do his bidding. Routine should be followed as far as possible, each inspector working on the same class of castings each day. Constant association with the Economy Draft Arm makes the man very efficient on that particular type of casting.

## Customer's Inspection

Particular attention must be given customer's inspectors. The inspection of their equipment grows to be a very important part of the day's work. The customer must be satisfied, and energy must be expended in order that the desired result be obtained. The castings must be well cleaned and chipped. Gauges must

fit exactly. The castings must be lined up in orderly method and the inspector called.

The department must be run according to a fixed schedule. This schedule can be made out weekly with a few minor daily changes. The pattern number, estimated number of pieces, and estimated tonnage are all clearly set forth on this schedule. A copy is given to the Shipping Department as well as all Assistant Foremen, who plan their work according to this schedule. All material required for the day's shipments must have been chipped on the previous day in order to allow as wide a margin as possible for work on the final rail.

Too much cannot be said of the system for keeping written records. The shipments, molds made, orders received, and current scrap should all be posted each day. Each pattern takes an individual card and the whole are filed, in order, in a neat filing box or case.

D/O	Pcs.	Made	Shipt	Due	Scrap	On Hand	Truck Bolster X.Y.Z. Lines 710 $\frac{1}{2}$ Average 5844-F
66 )	120						
Mar.	1	40	—	120	1	39	
	2	38	—		3	74	Dead Lever Lug 5852
	3	30	60	60	1	43	(Subject to Inspection)
	4	17	—		—	60	
	7	—	60	00	—	00	

A glance will suffice to show just how many castings are on hand, on each pattern, by referring to the required card. The amount due to be shipped on any one order can readily be ascertained, as well as how many are made, and the exact date of each operation. The average weight is set forth so as to determine and estimate the weight in advance of each shipment. If order material is to be assembled on castings the card will indicate it as well as the pattern number applying. If railroad inspection is required the card will show it in red. A glance at the upper right hand corner indicates pattern number and customer. Separate sections are devoted to Economy Draft Arms, Draw Bar Yokes, and to Others. A few moments of time suffices to go through the cards in the box and make a list of any and all patterns on hand in the department. All information required by the Cleaning, Machining and Annealing Department is on the card in the files.



## SPRING FITTING TWENTY-FIVE YEARS AGO AND TODAY

By

G. H. AUSTIN, Works Manager, Hammond

**T**HE fitting of Railway Car Springs has been largely improved upon, in the last ten years, by the installation of spring forming machines.

Various methods of cambering were used when springs were fitted by hand, such as rolling the plates, shaping on jacks, vise fitting, binding over a block, and some machine fitting for very light work.

Making springs, according to old time methods, required a great amount of refitting, after plates were hardened, but the improved heavy machines, used in recent years, largely eliminate the refitting. One can pass by a Spring Shop these days, and not know that leaf springs are being made, as one hears very little of the sounds produced by hammering into shape the tempered steel plates.

Pyrometers are an added feature to furnaces, for accurate heating and drawing, so that the workman does not have to rely on his eye for the color of the metal. In past years, the determining as to whether a plate was properly drawn was to rub it with a pine stick. If it did

not spark, it was not drawn enough, but I doubt if many spring fitters, working today, ever heard of this method.



Elliptic Spring Fitting Press

One of the photographs in connection with this article shows the rear view of how six-door cambering furnace plates are arranged on stands ready to be moved in. The furnace is constructed so that double rows of work are in the furnace at all times, and each door has a width large enough for three stacks of plates six inches wide, so that when running six-inch work, usually six regularly shortened plates are run before plates are removed from the machine, forming one plate on top of each other so that there is heating at all times, six heats of work.

When two doors in front are emptied, the plates in the rear are moved forward, and plates on stands are moved in the rear doors, after which new plates are placed on stands; then



Rear View, Spring Heating Furnace

the next set of two doors in front are run, and so on, working across the furnace, refilling the rear doors as fast as plates are moved forward. By this method of heating, plates are in all stages of heat and two doors are always ready for the cambering machine.

The plates are all run on a dead fit former, resting on adjustable wedge blocks; the machine being operated by hydraulic pressure and operated by foot levers. The bed of the machine rises up, compressing leaves against the gravity



Front View, 6-Door Spring Heating Furnace

weights arranged in arc form, so as to release properly from the center, as the bed of the machine releases the pressure. The vertical pieces on the rear of cambering machine hold the plates in straight line for forming. After all the plates have been formed, the lever at the left side of the machine is moved to the right, thus lowering the back guides and allowing the man doing the setting, to remove the six or more plates at once, placing them on a table shown at rear of cambering machine for setting. As soon as plates are removed, the lever is thrown to left side of machine, bringing into place the back guides; the machine operator then proceeds to run his next six plates, while the setting man is arranging the correct amount of bearing in the plates on the table.

After he has finished this operation, another man places the plates on the oil bath trays, which are lowered in the tank, hardening all the plates at once. In the meantime, the man is

setting the plates on the next lot, when those are set and placed on the bath tray and lowered into the oil. The plates on the first tray, being hardened, are raised up by compressed air, allowed to drain, and then placed on rack at end of bath tanks, ready to be banded or piled up, the same as shown in accompanying photograph. As soon as the furnace man has pulled his last plate of the heat, his duty is to go to the rear of the furnace, raise the two doors and move forward the plates into the space he has just emptied. The man, operating the machine, together with the furnace man, then refills the two stands with plates. By that time, the plate setter has had a chance to look over the heat just run to see if all the plates are in perfect fit; if not, they are hammered on the block to proper fit.

By this method of manufacture, there is very little refitting or block hammering, except in very long springs. All four men are working continually by this method of cambering springs and good production on a piece-work basis is obtained.

A day's output on this machine, which has a length capacity of seventy-inch centers, is from ten to fifteen tons per nine-hour day for four men.



Spring-Fitting Machine. Springs in foreground ready for oil bath



## By

HARRY OLDEN

## Vegetables

The first thing to do is to spade the garden deep, say from eight to twelve inches, burying the compost, well-rotted manure, or commercial fertilizer, whichever is used. The idea of spading deep is to bring to the top of the ground the soil in which there is more fertility, because it has not in the previous year been drawn on so severely as the top soil, and the soil so buried is built up by the fertilizer used. Do not start this until the ground is dry enough to fall from

the spade. After spading allow the surface of the ground to remain two or three days as it will allow the air and sun to get into it and mellow it. The next step is the pulverizing of the soil with the hoe and rake, leveling it so that rain will not stand on the ground. By raking and leveling the ground the chemical fertilizer or humus will be thoroughly mixed in with the soil and the ground is ready to plant.

Let us suppose that we have a piece of ground fifty feet by twenty-five feet for the vegetable garden, and the replanting of such a piece of ground should give a family of four all the summer vegetables needed and a surplus of some for canning for winter use, given a fairly good grade of well fertilized land. A plan of such a garden should be made in order that the follow-

[illegible]

ing year rotation of crops can be made; that is, the same vegetables should not be planted on the same ground as the previous year. Such a plan is shown on Page 9.

The perpendicular lines represent the different rows of vegetables and the space between each row is shown. These lines are lettered A, B, C, etc., for reference.

## (A) Asparagus

Space is provided for twelve plants in each row, planted two feet apart. Perhaps "Con-over's Colossal" stands first for ordinary garden culture; it is a green variety but is large, good-flavored, and very productive. Two, or better, three-year-old plants should be obtained and planted about five inches below the surface. A trench should be made in the ground and the roots spread out horizontally with the bottom of the trench. When once planted, the ground should be left undisturbed, as hoeing or cultivating breaks the thin fibrous roots which run out horizontally with the surface of the ground. Weeds should all be removed by hand. The only attention needed is a very liberal dressing of rough course salt, early in the spring, before the growth starts. It should not be cut the first year and it is better not to cut any the second year; from then on, however, a yearly supply will be obtained. It is best to discontinue cutting in June. Thereafter it should be allowed to grow and the tops to die down and lay on the ground until spring, when they can be raked off and put in the compost heap. It is advisable to spray with "Pyrox" when the cutting season is over and the full growth started.

## (B) Cucumber

Space is provided for six hills planted forty-two inches apart. The best variety to plant is "Arlington White Spine," which is both early and prolific. Cucumbers require a rich light soil and the ground should have well-rotted manure spaded in before planting, which should not be done before settled warm weather.

Plant eight to ten seeds in each hill about one inch deep. When the plants have attained a growth of about three or four inches, thin out leaving four or five of the strongest plants in each hill. As soon as the plants show through the ground, dust each hill with wood ashes or air-slacked lime. This is a preventive for both the Stink Bug and the Striped Beetle, both of which eat the leaves and kill the young plants. Spray as soon as the Beetle appears with "Pyrox" seeing that the spray reaches the under side of the leaves. The Stink Bug (a dirt-colored, triangular-shaped bug) can be destroyed by placing a shingle on the ground near each hill. The bugs will collect underneath them and may be easily killed. The egg masses of this bug will be found on the under side of the leaf and must also be destroyed. These bugs can be picked off by hand and destroyed.

## (C) Tomato

Space is provided for two varieties of Tomatoes, twelve plants of each, planted forty-two inches apart, one a table variety and the other an ideal variety for preserving. The best table variety for the home garden is "Dwarf Champion" an early variety of dwarf and compact growth, requiring no staking, holding its fruit off the ground and ripening quickly. The fruit is not as large as some of the newer varieties but has few seeds, is solid, and fine flavored. The preserving variety which stands alone as a preserving tomato is the "Red Peach Tomato," small and resembling in size and color a ripe Peach. The tomato worm, which is perhaps its worst enemy, is a large green caterpillar sometimes four inches long. The only remedy is to pick it off and destroy it. On account of being the color of the tomato stem, they are hard to find. They do not often appear in large numbers. They require frequent cultivating and should be watered as needed. This will largely prevent "Fruit Rot." Cutworms, a small dark colored worm, which wraps around the stem of the plant immediately below the surface of



the ground, is another pest. Prevention is the only course to take. When planting, wrap a strip of paper around the stem from the roots to the first leaves. An occasional spraying with "Pyrox" before the fruit forms will guard against other insects and diseases.

## **(D) Cabbages and Peppers**

Space is provided in this row for twelve cabbages and twelve peppers, planted twelve inches apart. The best variety of cabbage for the home garden is the "Early Jersey Wakefield" which is of quick growth, very early, and of good quality. A light dressing of air-slaked lime, worked into the soil before planting, is beneficial. Cutworms are probably the worst enemy and the plants, before being set out, should be wrapped from the roots to the first leaves with paper. The cabbage worm or caterpillar of the common White Butterfly can be prevented or killed by spraying with "Pyrox." It is advisable not to spray after the heads are formed. For peppers the best variety is "Giant Crimson." This ripens very early and as peppers are somewhat slow in maturing it is most desirable from this standpoint alone. They are deep crimson in color and very mild in flavor. An occasional spraying with "Pyrox" is all that is needed as a guard against insects or unhealthy plant growth. They are sometimes attacked by the tomato worm.

## **(E) Lima Beans**

Should be sown in hills about 2 inches deep, 6 to 8 in each hill, a pole about 5 or 6 feet placed in the center of each hill which should be 18 inches apart. The best variety from a number of good ones is probably "Improved Lima." It produces large pods and is of very good flavor and is probably the most productive variety. Lima Beans are nearly always troubled with Aphis or Plant Lice and should be sprayed frequently with one of the Nicotine preparations, "Black Leaf 40" is probably the best.

## **(F) Wax Beans**

Space has been left for two rows so that sowing the second row, when the first begins to

blossom, will insure a longer fruiting season. The first row can be removed when it has done fruiting and be resown with peas, or green string beans. Two rows have been provided for wax and green beans and peas, so that sowings can be repeated on all these up to August. The variety to plant is "Wardell's Kidney Wax." The seed should be sown about one-inch deep about four inches apart. This is a dwarf variety and does not need staking. Spraying with "Pyrox" up to the time of flowering is all that is needed in regard to insects or unhealthy plant growth.

## **(G) Green String Beans**

Two rows have been provided so that re-sowings can be made up to August. Sow in rows about one inch deep and three inches apart. The best variety is "Early Mohawk," which is very hardy and prolific. It is a dwarf variety and does not need staking. An occasional spray with "Pyrox," up to time of blossoming, is all that is needed to insure a good crop.

## **(H) Peas**

Two rows have again been provided, for resowing up to August. They should be sown in a furrow two inches deep, scattered along the furrow. There are a number of good varieties but for the Home Garden plant "Nott's Excelsior," which is an early variety, of dwarf habit, very prolific both in number and size of pods produced, and of very fine flavor. Occasionally the young plants are attacked by Aphis and should be sprayed with "Black Leaf 40."

## **(J) Beets**

Space is provided for one row; it can be made in two sowings, say, three weeks apart. The seeds should be sown rather thick, one inch deep in the row and the plants thinned to about four inches apart. The pulled plants are fine as greens. "Crosby's Egyptian" is the best variety. It is one of the earliest and of good color and quality. An occasional spray with "Black Leaf 40" will prevent attacks of the Aphis.

## (K) Sea Kale

This should have a place of honor in every Home Garden. It is often called, "Cut and Come Again"; it makes the most excellent "Greens," for both spring, summer and winter use and with slight protection (a few leaves thrown around the roots) it will not "winter kill" and will be ready to cut in April; in fact, the more the leaves are cut, the faster they seem to grow again. The leaves are often eighteen inches long and have a thick fleshy vein running through the center. The leaves are simply cut off the stalk and boiled as a green. The seed should be planted about one inch deep and the plants thinned out to about one foot apart. A dozen plants will supply a large family all through the year. It also seems to be proof against all insect pests and unhealthy plant growth.

## (L) Onions

There is a question as to which is best, Seed or Sets. My experience is that Seed will give the best results. The seed should be sown rather thickly one-fourth of an inch deep and be thinned out as they grow, leaving two inches between each. The plants pulled out furnish green onions. The best variety is "Southport Red Globe" or "Southport White Globe," depending on a Red or White onion being desired. Both attain a good size, are round in shape, of good flavor (the white being the milder), are excellent keepers and can be carried all winter without showing signs of growth. An occasional spray of "Black Leaf 40" is all that is required to prevent insects or unhealthy plant growth.

## (M) Lettuce

Several sowings should be made in this row. A row three feet long when transplanted or thinned out and used as thinned is desirable; and in this way, a supply can be obtained until frost. Sow the seed thinly about one fourth of an inch deep. Two varieties should be grown, leaf lettuce and head lettuce, al-

though the amateur will have far more success with the leaf variety. For head lettuce the best variety is "Hanson" and of the leaf varieties, "Black Seeded Simpson." It requires a light rich soil to insure quick growth. This can be obtained by spading in a good supply of compost. Seed can be planted in November and if covered with leaves, plants will be ready to transplant in April, giving a very early crop.

## (N) Radish

Here again space is left for several sowings, which should be made about three weeks apart. A row three feet long, seeds planted one fourth of an inch deep, will be ample to give a supply until the next sowing is ready. It requires light rich soil, similar to lettuce, as quick growth is essential. Both "French Breakfast" and "Crimson Giant" are good varieties.

## (O) Carrots

As an article of food, as well as because of its health qualities, it is entitled to a place in every garden. It is practically free from all insect pests and unhealthy growth. The seed should be sown thinly, at a depth of about half an inch, and, as the plants grow, they should be thinned out to two inches apart, the pulled ones being used as a vegetable or in soup. The one variety to be planted is "Danver's Half Long," which is a prolific yielder and good keeper, and a flavor equalled by no other variety. Constant deep cultivating is of very great benefit.

## (P) Sweet Corn

Space is provided for one row each of an early and late variety, which should be planted in hills thirty inches apart, about six to eight seeds in each hill, one to two inches deep. When the plants are about four inches high, thin out each hill, leaving two or three of the strongest plants. Do not plant until the ground is dry and warm and your corn will be "Knee High by the Fourth of July." The best early



variety is "Golden Bantam." The smallness of the ears of this variety is more than made up by the quality. The "Black Mexican" is another excellent variety and is the sweetest sweet corn grown. It ripens just a few days later than "Golden Bantam." For late variety "Stowell's Evergreen" is unequalled, remaining in good condition for use a long time. "Country Gentleman" is also a good late variety. As the corn grows the soil should be hoed up around it at frequent intervals.

## Insects and Unhealthy Plant Growth

Reference has been made to two Insecticides, viz., "Pyrox" and "Black Leaf 40." In the use of either one to one and a half teapoonsfuls should be used to one gallon of water. A small sprayer, costing from twenty-five to fifty cents each, should be purchased. The simplest and cheapest is fitted with a hand pump and a Mason Jar for holding the fluid. "Pyrox" is recommended, because it is a combination spray containing Paris Green, Bordeaux Mixture, Lime, Sulphur, and Arsenate of Lead. "Black Leaf 40" is one of the Nicotine sprays, containing about 40% pure nicotine. In the vegetable garden these two sprays, used as directed, will take care of any insect pests.

Included in the varieties named is Asparagus. As no returns come from this for two years it may be advisable to omit this, if your home is rented. This space can be planted with potatoes either an early or late variety. "Early Rose" for an early and "Rural New Yorkers" for a late variety cannot be surpassed. The amateur will probably get better satisfaction in quantity by planting the late variety. Spray with "Pyrox" before the potato bug appears.

When to plant is a question, which, due to varying climatic conditions, cannot be scheduled. As a general rule, the following can be observed: when heavy frosts are over, plant peas, onions, kale, and lettuce, all of which will stand light frosts. When frosts are about over, plant radishes, beets, carrots, early sweet

corn, cabbage plants, and peppers. When all frosts are over and apple trees are coming into bud, plant string and wax beans, late sweet corn, and set out tomato plants. When the apple trees are in blossom, plant cucumbers and lima beans.

The quantity of seed required is:

Peas, 2 lbs. for 4, 25-ft. rows.  
Onions,  $\frac{1}{4}$  oz. for 25-foot row.  
Carrots,  $\frac{1}{4}$  oz. for 25-foot row.  
Lettuce,  $\frac{1}{4}$  oz. for 25-foot row.  
Radish,  $\frac{1}{2}$  oz. for 25-foot row.  
Sea Kale,  $\frac{1}{4}$  oz. for 25-foot row.  
Beets,  $\frac{1}{4}$  oz. for 25-foot row.  
Green Beans, 2 lbs. for 4, 25-foot rows.  
Wax Beans, 2 lbs. for 4, 25-foot rows.  
Lima Beans,  $\frac{1}{2}$  lb. for 25-foot row.  
Corn,  $\frac{1}{2}$  lb. for 25-foot row.  
Cucumbers,  $\frac{1}{2}$  oz. for 6 hills.

Keep the vegetable garden free from weeds; constant cultivating and the stirring up of the soil will prevent their growth.

## THEIR FAVORITE DISH

### ALLIANCE WORKS

Mr. F. Johnson's (Invoice Clerk)  
Favorite Dish is

### Date Tart with Whipped Cream

Which is prepared in the Johnson home as follows:  
"Beat two eggs until very light; add one cup pulverized sugar; one cup chopped nuts; one cup chopped dates, which have been dipped in flour; three level tablespoons flour; one heaping teaspoon baking powder; a pinch of salt. Bake thirty or forty minutes in a moderate oven. Serve with whipped or ice cream. MRS. F. C. JOHNSON."

Mr. C. B. Alexander's (Assistant Works Auditor)  
Favorite Dish is

### Spanish Rice

Which is prepared in the Alexander home as follows:  
"Boil rice in salted water until done. Cut four slices of bacon into small squares and fry until brown. Cut two medium-sized onions into small pieces and fry in the bacon fat. Place rice, bacon and onions in a buttered baking dish and pour over same, a can of tomatoes which have been seasoned with salt, pepper, sugar and butter. Bake about 40 minutes. MRS. C. B. ALEXANDER."

Mr. A. Robertson's (Works Manager)  
Favorite Dish is

## Kidney Bean Salad

Which is prepared in the Robertson home as follows:

"Boil kidney beans until soft—but not broken. (Canned kidney beans may be used—this will eliminate boiling.) Cool, drain off water, and rinse in cold water. To two cups of beans, add one cup celery cubes and one cup of sweet pickles in small pieces. After the above has been mixed with mayonnaise, the salad is ready to be served. (Same may be garnished with boiled eggs and parsley if desired.)

MRS. A. ROBERTSON."

Mr. Henry James' (Pattern Checker)  
Favorite Dish is

## Swiss Steak

Which is prepared in the James home as follows:  
"Pound flour into steak. Season with salt and pepper. Pour over meat about one-half can tomatoes. Add a little water. Cover and roast, until done. (Mashed or browned potatoes go well with this meat.) For vegetables, yellow string beans or cold slaw.

Dessert: Butter Scotch Pie made in this way:

Boil together  $\frac{3}{4}$  cup dark brown sugar and 4 tablespoons milk. Add to this 2 tablespoons flour blended with 1 egg, 1 cup milk, and boil. Put into baked crust, and frost with stiffly beaten egg white, or whipped cream.

MRS. HENRY JAMES."

Mr. F. F. Doré's (Chief Chemist)  
Favorite Dish is

## Chicken Spaghetti

Which is prepared in the Doré home as follows:  
"Stew chicken until tender. Pick meat off the bones and shred finely. Add to same chopped sweet peppers and green olives chopped. Boil one pound of package of spaghetti for twenty minutes in plenty of water, to which has been added one teaspoon salt. After spaghetti is tender, drain as dry as possible. Cover the bottom of buttered baking casserole with spaghetti, place on top of same a layer of chicken, alternating the layers of spaghetti and chicken until all has been used up. Add 1 cup of cream to the gravy in which the chicken was cooked. To this add salt and pepper and thicken with a little flour. Pour this over the chicken and spaghetti, then cover casserole and bake slowly in oven till brown. Serve immediately.

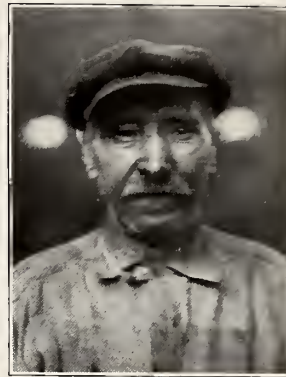
MRS. FLOYD F. DORÉ."

(The readers of this issue of THE OCTAGON will note the starting of a new department in the magazine, entitled, "Their Favorite Dish." It is hoped that a great many contributions in the form of recipes will be turned in to the Associate Editors at the various Works.)

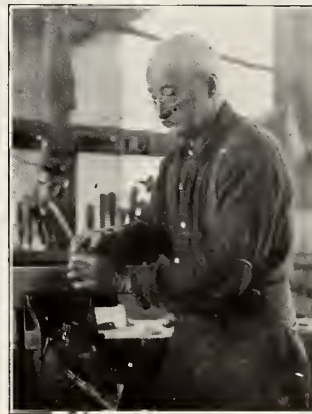


Back in the old days when the Sargent Company was located at 59th Street, or to be exact, twenty-seven years ago, a man named John Boaz was hired

as a Ladle man. Ever since that time he has worked with the American Steel Foundries, both at the Chicago Heights Plant and at the Indiana Harbor Works, where he is now employed. John has specialized in the repairing and lining of ladles and has seen many a ton of metal poured during his employment. Recently Mr. Boaz has been compelled to give



up work on ladles and is now a "utility" man in the Shop. He was born in Poland and has been very much interested in the fate of that war-ridden country the past few years, his wife having been buried there. John is admired by all the employees at the Indiana Harbor Works, having shown himself to be active and dependable in all his work.



One of the oldest employees, in point of service, at Alliance Works, is Mr. P. M. Girard, known throughout the Plant as "Pete." Mr. Girard is at present Pattern Maker at that Works. Seventeen years ago he began employment with the American Steel Foundries and through those many years of

service amply deserves the reputation of being an all-round hand in the steel game, hard to beat in his line. Mr. Girard is a Civil War veteran, and during the late world war was still able to demonstrate his patriotism by designing tops for



flag poles. Official records do not show that Mr. Girard has ever been transferred from the Alliance Plant, during his employment.

Among the well-known "veterans" at Pittsburgh Works none is more liked than Mr. John H. Zimmerman, who, though but thirty-seven years of age, has an employment record that is rarely excelled in the Company. Starting in at the age of fourteen years, with the Reliance Steel Castings Company (the former name of the Pittsburgh Works), he has spent more than half his life in the Company, living through the "tenures of office" of Works Manager from Mr. Bailey on down to Mr. H. W. Petty. He began work first as an errand and office boy but did not remain in that position long, for at the end of the first year he received the promotion to Molder's helper. At the end of the second year, he was promoted to Molder, a position he held for five years. Then he went from the Molding Department to the Dry Floor, where he worked with the setting of cores and the closing of molds for five more years. By that time he was ready for something better, which came in the shape of the position which he still holds, that of Assistant Foundry Foreman. Mr. Zimmerman is married and the father of one child. He has recently purchased a home in Morningside and by the time this article appears will have taken possession of same.



Mr. T. T. Davies, Works Auditor at Sharon, has been in the employ of the American Steel Foundries

for over eight years. He first became connected with the Company's Indiana Harbor Works in 1911. Later he left the A. S. F. for a while, but returned, accepting a position at the Sharon Works, and has served continuously in positions having connection with the Accounting end of the business. In October, 1915, Mr. Davies was transferred to the Thurlow Works as Cost Clerk, but he returned to Sharon in July, 1917, as Cost Clerk. Within a few months he was appointed Works Auditor there. Mr. Davies' experience in accounting and his faithful service to the Company, in general, have made him valuable and deserving of the position he now holds, and he has the co-operation of every man connected with the Sharon Plant.



Mr. Val Schweigert, Superintendent of the Bolster Department, began employment with the A.S.F. at the age of twenty-three years, or to be doubly accurate, in the year 1900, starting in as a hand riveter. In 1904 he was made Foreman and continued to so act until September, 1919, when he was made Superintendent. Mr. Schweigert was born January 4, 1877, is married, has five children and is the owner of a comfortable home.

Mr. R. E. Bland, better known to his many friends as "Bob," Order Clerk at East St. Louis Works, was employed by the American Steel Foundries in June, 1904, as Foundry Clerk. This position he held until June, 1905, when the plant was closed down. When the Plant resumed operations November, 1905, he was re-employed as Order Clerk, which position he still retains, having worked at Granite City Works as Clerk in Wheel Department from 1907 to 1909, the period East St. Louis was closed.



A competent employe can't be held down, nor can an incompetent one be held up.



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Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employees with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of The Octagon

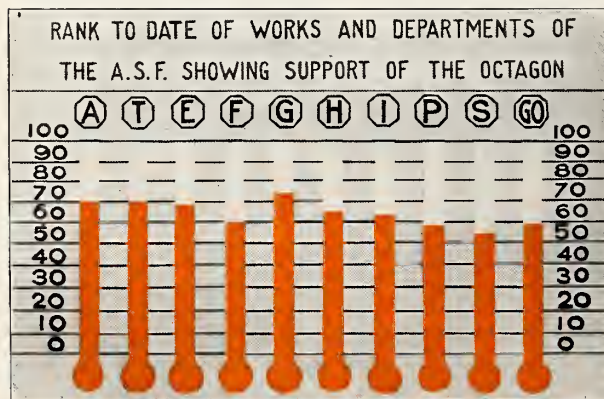
K. L. AMES, JR., *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

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A. E. MOSES	...	Sharon
D. T. STERLING	...	General Offices



From the inception of The Octagon to May 1st

## "The Self-Commencer"

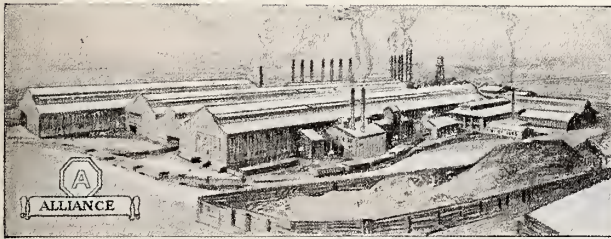
When a man arrives home at 3:45 A. M., with his system out of work and his nerves racked, there is no double-acting alarm clock that can get a rise out of him in time to eat a real breakfast, kiss his wife good-bye, grin and catch the 7:45. The man who slips on a veneer coat of smiles and affability as he enters the office at 8:00 A. M. and changes back to his regular old grouch, will be found out sooner or later. His disposition will always keep his working parts in reverse, and even though his "self-commencer" works, he will go backwards. "Self-commencing" is all in the disposition, personality and energetic vitality. Swimming a race with oneself is the everyday program of successful men. They create a new system, then smile and try and beat their own record. If it were not for the real sports in business, this would be a dull old working world. Creating something new and greater is the material that keeps the pot boiling. It's the one thing to get the lead by a quick jump, but it's *some* tax on initiative and endurance to retain it. The man who has lost his "self-commencer" will be found lounging in a rocking chair on the front porch of his rich father's home—or the poor house. "Rocking Chair" philosophy is like one half of one per cent beer; it lacks kick and punch. Men that "have been" are overlooked in the grand scramble. Even though a man's "self-commencer" works perfectly, his vitality will wear out prematurely unless he is selling quality. Imitation quality gives imitation results. We have got to give the best there is in us to the product we manufacture, or the salesman cannot work. A complete cycle of confidence and good castings is necessary to a successful business transaction. No one has been successful in catching a bird by salting its tail and no one has ever made good castings by slighting his work. The difference between cost and production of good castings, and the other kind, is but slight. Records show that over half a billion real dollars were lost last year through "blue sky" speculations. Quite a list of "self-commencing" disappointments could likewise be listed on the debit side of the ledger during the past period. Commencing something that we cannot finish is only half as bad as starting something that hands us a financial knockout. The days of commercial secrecy and intrigues are past. Strictly modernized good castings have won the confidence of the customer through their merits. Let's get together and keep neck and neck with opportunity and profit. *Commencing right* is half the battle. Poor workmanship is bound to skid on the slippery road to success. —(C. W. Williamson, Chester Works).

Credit, in the long run, usually goes to those who seek it least but deserve it most—not to those who strive to monopolize it.





# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Our little Bobbie, of the Inspection Office, is now taking up Dramatic Art, as he will be seen shortly playing the leading role in "The New Minister," given under the auspices of his Sunday School Class. If this play is given its due credit, it should have a record-breaking run here of six months.

In our plant we have experts in every line. For example: Gib Polen is the crack Pinochle player; Bill Odum tells the best stories; "Bernie" Rosenberg is a regular Florist; McKee Shimmies all the time, etc.; but one expert that needs to be called to your attention whom, we contend, deserves honorable mention, is Mrs. Clara Gantz, our Cook. Oh, Boy!—Those meals, and most of all, Those Pies!

The latest automobile (?) to be seen parked in front of the Offices is an uptaditty FORD Roadster; its driver Dr. Earl Mosley.

Mr. Chas. Shaffer, Assistant Works Manager and President of the Goomf Club, has just announced the appointment of a new Entertainment Committee for that club, composed of the following: Harold Rosenberg, chairman, Harry Joseph, Perry Johns, Wm. Gedder, Chas. McLean and Geo. O'Brien as assistants.

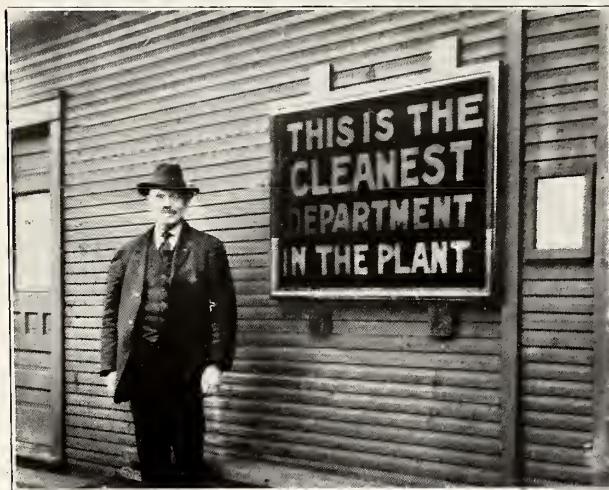
When it comes to bashfulness and coyness, we have in the R. & C. Department a man named E. H. Stahl, who certainly wins the barbed wire tooth brush. Recently the Official Photographer for THE OCTAGON was here taking pictures of employes in the A. S. F. Mr. Stahl refused to face the camera, consequently the photographer took a view of his back. We are sure "Al" will be proud of this picture when he sees it in THE OCTAGON. (We have been trying to figure out whether "Al" was ashamed he has worked here so long or whether it is because he is a rank Prohibitionist.)

Our efficient mail distributor, Mr. C. H. Pearsol, returned from Florida after inspecting three ten-acre farms and three city lots at Valparaiso, near Pensacola, on Chotawhatchee Bay. While there he did some good fishing and the picture published in this issue shows Mr. Pearsol and a portion of one of his fine catches. (Mr. Pearsol, fourth from left.) He will not return to Florida until next fall.



Result of Two Hours' Catch From the Bay. This picture includes the following men from Alliance: James Cell, P. W. Pennick, C. H. Pearsol Ike Haines, and John Cook

Mr. M. A. White, C. F. & A. Foreman, came along in the Cleaning Room one dark morning and not seeing very well, walked into a Draw Bar and nearly broke his leg. Whitey said, "I do wish they would keep these Draw Bars where somebody can see them."



Through the faithful efforts of Mr. Grove, Yard Master, and his efficient co-workers, the prize for being the Cleanest Department in the Works for the month of March, comes to the Yard. It was a long grind to get the Yard in tip top shape but they were equal to the task.

Our Boy Scout Major Hole was caught lately enjoying the aroma of a Milo Violet Cigaret. From all reports the Major has recovered.

On Monday evening, March 28th, the A. S. F. Dunbar Club, composed of the employes of the American Steel Foundries, gave a very pleasing and attractive literary entertainment at Schwinn's Hall. Mr. Oscar Rhines was master of ceremonies. At the close of the program refreshments were enjoyed by all present. We wish to congratulate the young men in their forward and upward steps.

During the past few days our caretaker of flower beds and lawn has been busy getting the beauty spots in shape for summer.

Mr. Charles Fox, Night Locomotive Engineer, recently underwent an operation in the City Hospital for appendicitis.

Henry J. Orth, Planerman, is now looking easier, as his daughter who has been seriously ill, is much better.

Mr. J. E. Wagner, formerly Works Auditor, Franklin Works, sits in the chair recently occupied by Mr. Alston. Although the employes have lost a good man in Mr. Alston, they wish to extend to Mr. Wagner all the co-operation that was extended to Mr. Alston and wish him the fullest success.

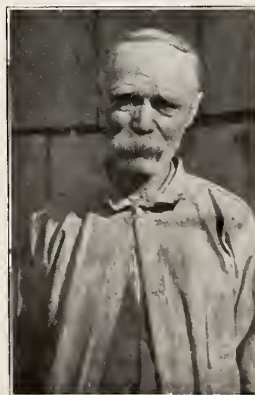
Harold Scott, expert Planerman and Social Lion, recently put on a one-round battle with the small R. & C. Drill Press. Scotty was worsted from the start, receiving a bum digit and a Hellova temper. The Drill Press is now taking on all comers.

Isadore Gardner (the Tyrolean Sousa of Alliance), who runs a boarding house when he is not operating his drill press, made figures lie yesterday, when asked how many of his boarders were working. Pretty fair percentage, eh, "seven out of three."

Mr. Wm. Smith is the father of a fine baby girl, and Mr. Charles Marini, the proud father of a young son. Congratulations to both daddies!

Mr. Emile Lorus, Scale Inspection Dept., is planning a trip to Switzerland, his old home, this summer. He has been in the United States thirty-one years, and of this time he has been with the A. S. F. sixteen years. Emile claims that his mother has some thirty-five year old hootch to present to him. This we believe is a good reason for his going there.

Luther Resser, Draftsman in the Plant Engineering Department, was married recently to Miss Helen Watson. Congratulations are extended hereby.



W. J. Monteith, Order Material Storekeeper, 13 years' service at Alliance

Frank Boschini recently returned from Italy with a bride and his mother. "Muley" is Second Helper in the Open Hearth Department.

William, the only son of Mr. and Mrs. Philip Gabele, was called away by death on March 27th. His father, Wm. Gabele, is employed as Floorman in our Stores Department. To the bereaved parents we extend our sincere sympathy.



The many friends here of Mr. Lester A. McCleery, formerly Works Auditor at this Plant, were sorrowed by his death. Everyone at Alliance Works joins in extending to the widow and the mother of Mr. McCleery their heartfelt sympathy.

Another death occurring recently at Alliance was that of Abram Abegglin, expert Tool Dresser and Blacksmith, with a record of fifteen years' service with the American Steel Foundries. Mr. Abegglin held a diploma in tool dressing and blacksmithing, issued by a vocational school at Grindelwald, Berne, Switzerland. During his last illness, his hours were made pleasant by visits from fellow-workmen, who kept him informed as to what tools were awaiting his return for expert dressing. In the passing away of this man, Alliance Works has lost a valuable man, whose place it will be hard to fill. The employees at this Works wish to extend their sympathy to the bereaved family, and especially to the son, Mr. Alfred Abegglin, Draftsman in our Plant Engineering Department.

It's no joke; Miss Spring is here at last and the carpenters have torn down the extra walls and doors that were erected last fall to protect us from the weather.

Jim Massolino, First Helper in the Open Hearth Department, was sick for a few days with rheumatism. William Terry, Gasmaker, who was recently overcome with gas, has gone to his home in Mississipp for a few weeks.

Mr. Archibald, Core Room Clerk, has just recently completed a course in dancing. He was seen going down Seneca Avenue in the direction of Bailey's Dancing Academy a short while ago, about 2:00 A. M. "Archie" denies this. It may be that he is a "noctambulist" and not accountable for his actions at night.

T. N. Curtiss, Assistant Machine Shop Foreman and champion pie-eater, recently convinced "Speed" Waggoner that he could down fourteen pieces of pie from 12:30 to 4:30 P. M., and also turn out his required amount of work.

No. 3 Furnace has been rebuilt and is again ready for operation.

Mrs. E. P. Humphreys, wife of O. H. Platform Foreman, is by far the best pastry cook in Alliance (or any other city that has ever come to our notice). That may seem a broad statement, but we know.

## FAREWELL DANCE FOR MR. ALSTON

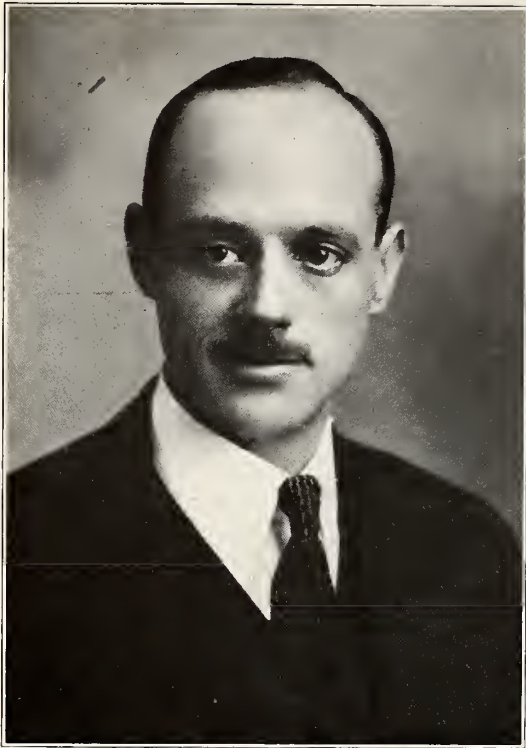
Another dance was given by the Goomf Club of the A. S. F. in Ell-Mac Dancing Hall recently, with the purpose of bidding farewell to our Works Auditor, Mr. G. L. Alston.

The former part of the evening was spent in dancing to music furnished by the *Jazzy* "Blue Ridge Five" of Alliance. Later on in the evening Mr. O'Brien called upon Mr. W. W. Scott for a speech, but Mr. Scott thought that Mr. Alston should be the one to make a speech; however, he was dragged into the middle of the floor and then "opened up." Mr. Scott dealt with the coming of Mr. Alston to this Works, his success, and of the many friends who were sorry to see him go. At this time, Mr. Alston was presented with a beautiful diamond ring from the employees who united in good will, good wishes and good luck for him in the future. Mr. Alston then took the floor and thanked them all. He was somewhat touched with the presentation of the ring, and concluded his speech with, "I just don't know what to say."

At eleven o'clock the same evening, Mr. Alston departed for Indiana Harbor Works, where he will be Works Auditor.



Goomf Club Dance and Farewell Party given Mr. G. L. Alston



R. S. Munson, Chester Works



H. W. Petty, Pittsburgh Works

*H.J.M.*

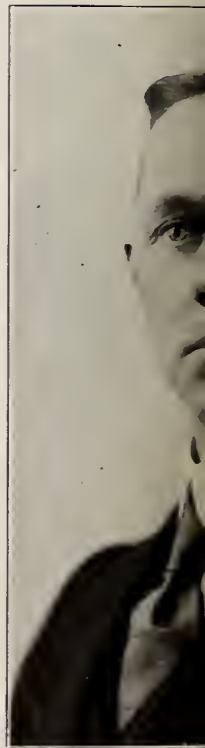


Marshall Post Sharon Works



P. P. Allen Franklin Works

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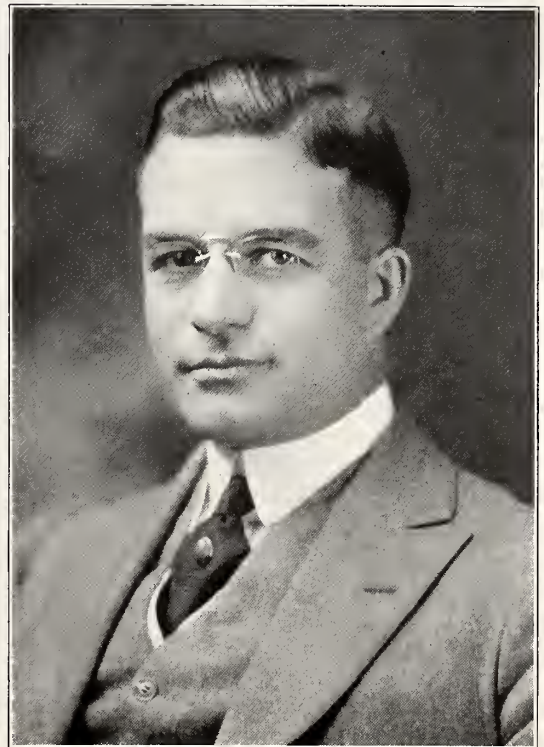
A. Robertson, Alliance Works



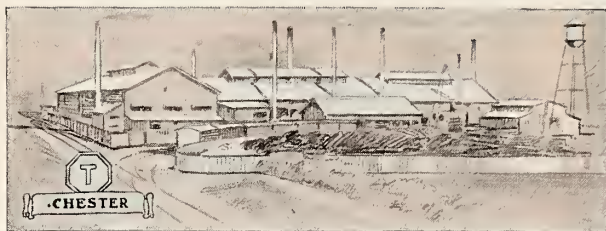
G. H. Austin, Hammond Works



E. Walcher, Granite City Works



F. A. Lorenz, Jr., Indiana Harbor Works



## Chester

Jerome Hickey, formerly with the Chester Steel Co., has been employed at this Plant and is now working in No. 1 Foundry as Molder.

Dick Shannon, No. 1 Dry Floor, and one of the Old-Timers, would like to know how soon things will become busier so that he can show some of the younger boys the road yet.

Bill Cooper, Coremaker, has lately joined that famous organization of Noah's Ark and quite a few of the boys are wondering why Bill is always hollering "Cucoo."

Jim Ewing, Superintendent, will have to train down a little to keep pace with his Reel Gang in Fire Drills, as the other boys drove Jim pretty hard at the last drill and had him begging for mercy as the wagon kept skinning his shins. The spirit was willing but the flesh was weak, but Jim can still show a few of the younger boys a few points in Volley Ball.

Carl Butler of the Carpenter Shop spent the week end shark fishing down the Bay.

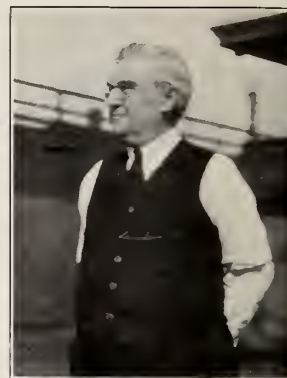
Clarence W. Nichols, of the Production Department, who was recently married, has purchased a beautiful little bungalow in the pretty village of Bortondale.

John Brooks, Master Mason, and Bill Brown, Assistant to Works Manager, claim the Works' Championship for Hasenpfeffer games, due to the fact that they have won their first game in six months.

Bill Kennard, who formerly worked on the chains in No. 1 C. & M., is now grinding in No. 2 C. & M.

James Mackey, one of the oldest employes in the service of the A. S. F. at Thurlow, who operates the draw cut shaper in No. 1. C. & M., now fills in his spare time in the Machine Shop.

Jack Devers, Night Open Hearth Foreman and a native of Rockdale, and Tom Schaaf, Timekeeper, who hails from the wilds of Glen Mills, which is right near Rockdale, often entertain the boys with their weird and harrowing tales of the happenings of a score of years ago in their neighborhood. Johnny Watson claims that Baron Munchausen had nothing on Schaaf and Devers and we are inclined to agree with him.



Chas. B. Stout, Distribution Clerk, 13 years' service

Dave Garvey, the "Steam Hammer Kid," spent a few days recently recuperating and fishing down the Bay. Dave says he is sure he saw a Chinese Dragon, or at least it looked like it. What we all want to know is where did Dave get his home brew.

Jack Toner, No. 2 C. & M. Foreman, says he is a Republican for the test of his natural life, if they give us back our good old Suds again.

Col. Cody, otherwise known as Buffalo Bill Foster, has started to get his dogs in shape for this fall's gunning. Bill challenges anyone to stand expenses or best him in this line. We admit that Bill is some Nimrod but he certainly is an Oil Can Volley Ball Player—although Bill don't think so.



Howard Barrowclough, Molder No. 2 Foundry and Works Councillor, 20 years' service, Chester

We have some very good mechanics around this Plant; for instance, Vic Dinkleman and Elwood Harper. These two gentlemen were out in the Yard the other day drilling holes in some flasks with an electric drill, but it seems that the drill got balky and kicked Vic so hard it knocked him about five feet; so Harper, who is a heavy-weight alongside of Vic, mounted the drill and it wasn't many minutes before he also met his Waterloo, for the drill kicked him clean across the Railroad tracks into the Scrap Bins.





**William Slawten, Foreman No. 2 Foundry, 10 years' service, Chester**

Pete Schulthise, No. 2 Foundry Apprentice Molder, was showing his ability as a scrapper in the Gym the other day. However, one of our well-known pugshot one blow at Pete and nearly knocked his nose off, causing the claret to flow freely; and now *Pete's* nose is in mourning.

Turk Garvey again proved his ability as a first-class Fireman the other night at the Sun Oil Co. fire in Marcus Hook. Turk is an enthusiastic member of the Trainer Fire Department and holds down the job of Engineer.

Harry Van Riper, No. 2 Foundry Molder, has surprised the boys at Thurlow with his ability as a cartoonist. He has made quite a hit among the boys who are willing to back Fats in competition with any cartoonist in the A. S. F. Any takers?

Harry Lewis, Truck Driver and E. B. A. Representative, is under the care of a specialist in a Wilmington Hospital.



**Paul Bengiser, Foreman No. 1 Foundry, Chester, fourteen years' service**

After an illness extending over a period of several months, Mr. L. T. MacDonald, Reclaiming Foreman, passed away at his home in Buckman Village on Thursday, April 7, 1921.

Mr. MacDonald was of a very sunny disposition and his cheery smile greeted everyone in passing. He was respected by all who knew him, both workmen and foremen, and all wish to extend to his wife and family our deepest sympathy.

Dick Coyle, of the Repair Department and Works Councillor, will spend his vacation this year amongst the Mermaids at Atlantic City. Dick wants to find out why the poets always speak of the "Sad Sea Waves."

Theodore Nycrydor, No. 1 C. & M. Flogger, is the proud father of a nice bouncing baby boy.

Harry Cloud, one of the oldest men in the employ of the Company in the C. & M. Department, has given up his job on the annealer pit after 28 years and gone back to chipping, his first job in Thurlow Plant.



**Richard Burke, Molder No. 2, thirteen years' service at Chester; and Sherman Wright, Helper, six months' service at Chester**

The organization at Thurlow Works has lost one of its most faithful members by the death of Mr. Lester A. McCleery, Works Auditor, at his home in Ridley Park on March 27, 1921. "Mac," as he was generally known, was of a very pleasant disposition, respected and well liked by all the employees of this Plant, who feel that they have lost a very good and sincere friend.

Mr. McCleery came to Thurlow Works as Works Auditor three years ago from the Alliance Plant and has always been conscientious and efficient, valued and respected by all those with whom he came in contact. We extend our profound sympathy to his family.

Joe Jones, of the Open Hearth, has the honor and distinction of being the smallest and lightest man ever on our Furnace Floor. Joe is first helper, 5 feet 2 inches high, weighs 114 pounds and bars none within 20 pounds of his weight.

Fortune is like a market, where many times if you wait, the prices will fall.



## East St. Louis

Mr. I. DePriest, Assistant Foreman, has the record for making double trucks. Now, John, that you have it, hold on to it.

Mr. I. E. Watson, Gen. Foundry Foreman, has established a record for Spark Plugs, having driven his Dodge 26,000 miles without changing a single plug.

Our Pattern Foreman, Alex Smith has lots of confidence in our Sister Works. He O. K's Patterns to run when they are still at other Works.

J. Mitchell is one of the most busy men around our Foundry. He is in charge of the Tool Room.

Arthur Birnstengle has the reputation of never being set in the Noon Pinochle Game. Art bids them close to his vest.

Alex Smith, Pattern Foreman, has purchased a new Buick car and just to keep him from feeling too cocky, the darn thing had to puncture.

Mr. H. K. Greve, Yardmaster, is acting in the capacity of Fireman; Roy Macherey, Yard Foreman, as Engineer; and Pat Hogan, Assistant Yardmaster, as Switchman. It is understood that Mr. Greve is also on a diet, endeavoring to reduce, so he can handle the shovel to a better advantage.



Cafeteria at East St. Louis; Mack McGee, Mgr., Tom Gans and Ed. Wallace, Kitchen Assts., and Zack Archer, Chef

Frank Ring is Chief Cocoa-maker at the Chemical Laboratory, cocoa being their favorite beverage at lunch hour, and Frank has it on the bunch when it comes to concocting said drink.

Mr. Busch has just completed the installation of a dark-room for the Chemical Laboratory.

All kinds of Tobacco (both smoking and chewing), Soap, Chewing Gum, etc., may be purchased at the Commissary between the hours of 12:00 M. to 1:00 P. M., and 3:00 P. M. to 4:00 P. M., at prices below those in town.

The Mechanical Department, installing a new system of raising the doors on No. 4 Open Hearth Furnace. It works by a system of counter-balances and does away with air pressure now in use.

A. Birnstengle, Foundry Clerk, Wm. Schwinn, Machine Shop Clerk, T. Haenlein, Storekeeper, and H. Hermann, Safety Inspector, are the Champion Pinochle Players of our Works. Anyone that don't think so, can take them on at any time or any place.

Harry Shinall, Loading Foreman, and M. H. Meyers, Assistant C. & M. Foreman, spent a day at Cahokia Creek, after that oviparous, vertebrate animal known as a fish, and report having caught fifty of the finny tribe. We doubt the veracity of their statement, however, as the last annual inventory showed 9 fish, 3 turtles, 1 frog and 1 whiffle-poof in said creek.

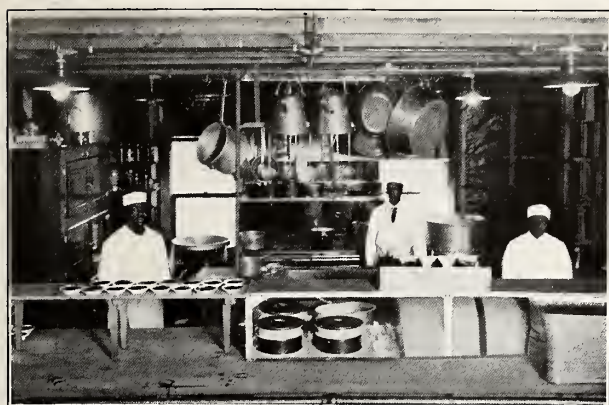
Pat Dooley says J. McAuley and Geo. Ebert are the most efficient help he ever had and the only objection he has, is that one day a month is all they'll work for him.

Never did there exist a Debating Society that could compete with the home talent we have in the C. & M. Tool Room at noon, and Dominick Degnon and Harry Baugh are above them all.

Johnnie Harriston (Jellyroll), Chainman on the Roughing Floor, can't be beat when it comes to getting out work, and the stunts he can do with a pair of chains makes Ringling's tumblers look like pikers.

Wm. Schlensker, Truck Foreman, has discovered a new and unique way of training his hunting dogs. He takes them out in his machine and when they find game in the immediate vicinity, he stops and turns them loose.





Kitchen Equipment of Cafeteria; Zack Archer, Chef, Lee Wright and Tom Gans, Kitchen Assistants. East St. Louis Works

Mr. O. E. Mount, Works Auditor, has purchased an Overland Sedan to ride to work in from his new home on the Bluffs.

Mrs. C. Forrest has charge of the Cafeteria and Dining Room. She is well qualified to make a successful Manager in that Department.

The Test Laboratory Building has received a thorough cleaning and redecorating at the competent hands of Harry Shinall, Gene Faust and Dan McAuley.

The Inspection Department has moved its headquarters from the C. & M. Office to the Physical Test Laboratory.

Miss Zona Sommers, Assistant Timekeeper, has resigned her position. Miss Zona will be missed by all in that Department.

G. W. Bowles, Yard Timekeeper, was transferred to the Shipping Department as Bill Clerk.

The Yard Department has received two new steel cars of 100,000 lbs. capacity, to be used in transferring steel from the Foundry to the C. & M. Department.

Bill Dees, Chauffeur in charge of the Garage, is building a new home in Fairmont City.

T. P. (Tommy) Wilkerson, Acetylene Welder, has retired to his farm at Hardin, Ill., in Calhoun County.

John Martin, Night C. & M. Foreman, now has charge of the draw bar Yoke Department on the day shift.

The painters finished redecorating the Repair Department Office, having painted it standard gray. W. G. Schwinn assisted them by painting the floor, he having knocked a bucket of paint off the desk.

Mr. G. A. Schenkle, Night Storekeeper, is on the day shift temporarily.

Mr. J. G. Kistner, Machine Shop Foreman, has started a truck farm, and has been looking for a man to plow it for him,—size of farm 20x30 feet.

Mr. L. V. Day, Works Engineer, has moved from St. Louis to this side of the river.

Mr. Frank Burmeister, Crane Inspector, is enjoying the use of his "Empire 6" again.

The office of the Core Room has been given a general overhauling and cleaning.

We have with us in the Core Room one John J. Higgins, pugilist, insurance collector and cow puncher. We presume these occupations are part of a department clerk's life. How about her, John?

Thomas Ward, Core Foreman, is looking better lately; he has purchased a new pair of cheaters. Tom says this gives him the advantage as he can look at a core and see two.

We are glad to learn that Jack Stevens, who was on the sick list, has recovered and is back on the job.

Does anyone want a job building a bungalow; if so, look up Ed Harper.

Mr. James Evans is a daily rooter at the cork ball games. Jim insists that there be plenty of "PEP" in the game and is ever reminding them of the fact.



Herman Pfoertner, Foundry Repairman, 13 years' service, and O. Orlenz, Metal Gauge Maker, 7 years. East St. Louis



Joe Lukitsch, 1st Helper  
Open Hearth, 8 years' service  
at East St. Louis

Our Saturday Roughing Crew, composed of Messrs. F. Rohlkoetter, J. McAuley, Geo. Ebert, Joe Graham, W. J. Hess and J. Martin gave a very instructing exhibition on knocking the rough spots off of body bolsters.

The Electric Shop has gone Republican since Higgins painted it white.

Messrs. F. Dougher and F. H. Elam, of the Chicago Office, were visitors at this Works.

Dominick Dagnan is now taking the Broadway Bumps on rubber.

We defy any of our sister Plants of the A. S. F. to show as good a record for less crane or electric trouble in the Electrical Department as ours.

Miss Ignatia Kennedy, Supply Agent's Stenographer, is also acting in the capacity of Relief Telephone Operator.

They say the lid has been on for a year, but Jack Stevens cured a perfectly good case of LaGrippe in four days. How come, Jack?

Right in the midst of his campaign activities, gloom adamant settled over friend Warhover, for John had lost his purse containing "13" one-dollar bills. "I knew I should have spent one of them to break that '13' jinx, now I'll never get 'em back," said he; but he did.

Lost—One Goat, return to R. E. Bland, Order Clerk; reward.

The most enthusiastic Euchre Player in the Middle West is E. E. Dowell; Eddie smiles and cheers whether he wins or loses, and his favorite expression is "Rub four over Yander."

A man is judged by his ability to bring things to pass.



## Franklin

Bill Elliott, Night Watchman, can't stand the few nice days we have had recently and declares that he wants to raise something even if it is only steam to run the engines. If Bill keeps on, he will be in the Cal McMurdy class and be raising anything from Belgian hares to a glass of—water.

Spring has surely come without a doubt. Bennie Karns and Cal McMurdy are dusting off the Main Office screens, and the screen door has already been put in place.

Our coal supply having become low it was necessary to call out the strong arm gang and transfer some from another pile to the boiler room. The strong-armed gentlemen consisted this time of Bennie Karns, Cal McMurdy, George Norton, Chick Singleton, Charley Richardson, and, last but not least, Larry Reese.

Ira Jones, who alternates night and day shifts with Doc Cribbs, on the boilers, is one of our heaviest supporters of THE OCTAGON. Although Ira works in the dark half of the time, he still sees the funny side of life and keeps in touch with the happenings around the Plant.



Bill Stoughton, O. H. Clerk,  
Franklin Works, three  
years' service

We haven't heard much from Clemmie Rinehart, who was transferred to the night force recently to replenish the Night Fire Brigade. We understand the crucial moment in Clemmie's life is upon us, but he refuses to say whether she is from Templeton, Pa., or Cumberland, Md. However, sooner or later, we will find out and then Clem will be passing around the cigars.



Charley Richardson, Bennie Karns and Chick Singleton are very busily engaged and will continue to be so for some time to come in taking an actual inventory of all patterns. We certainly have some collection of all shapes and sizes, and due to receiving patterns during the operating periods and shipping them out again when we shut down, sometimes before they even have time to cool off on the storage shelves, it is going to be a big job. It is something to work for and is well worth the effort, as the results obtained will confirm our opinion that the Pattern Storage Records are in very good condition.



J. C. "Cal" McMurdy, 8 years' service, Yard Foreman at Franklin

Doc Cribbs says he thought he had everything located around here but he wants to know where the watchman got the large chair that is in Larry Reese's office.

Ben Karns says he saw an eight and one-half pound sucker the other day, and while there are some large fish of that species, we just wonder if this one wasn't a carp.

Anyone desiring information on how to place hot beds or plant garden seeds please communicate with Cal McMurdy.

We are very much afraid that we will have to pass around the hat to buy a wedding present in the near future if McCrady don't stop having these mysterious dates every night. Upon second thought it might be a better idea if we took up the collection now and included Mac in it as we might have to make the donation to pay some heart balm.

George Norton, our Storekeeper, is quite a baseball pitcher, having played in a number of cities that maintained a paid team. George says it is a whole lot easier to pitch baseball than it is to pitch coal upon a wagon. George was a member of the "strong arm gang" on a recent job and can always be depended upon to do his bit whether it is pitching ball or coal.

Mr. Harry Olden's item in the March issue of THE OCTAGON on Gardening, is producing results in Franklin, as some of the force at this Plant are ordering a large supply of garden seeds.



## Granite City

Mr. C. L. Stark, who has been Watchman at this Plant for the past four years, was recently granted a leave of absence; but Charlie has been paying us regular visits since that time in order to care for the splendid flower garden which he planted out near the Watchman's Shanty at the North Gate. Charles' attitude in this regard has met with the approval of the Management and we assure him that we will be pleased to see him back on the job again, soon.

Mr. H. J. Fichte, Asst. Works Auditor, has followed Harry Olden's advice by putting in a spring garden. The garden spot makes Henry's home have the best appearance in his locality.

P. Doyle, our Truck Driver, recently borrowed a truck from the East St. Louis Works, while our trucks were being overhauled.

Mr. H. R. McCoy and wife having become dissatisfied with hotel life, started in their own home at housekeeping. The lady of the house did not overlook the famous rolling pin and skillet.



Topsy McDaniel, Wheel Roller, 3 years' service; Columbus Critz, Wheel Grinder, 2 years; Ed. Web, Wheel Roller, 1 year, and Steve Lumpkin, Shot Blast Operator, 10 years. Granite City



Adolph Schatzle, Melter, 19 years' service, with his Prize Pigs, at Crystal City, Mo.

Mr. Leibman, Mr. Reed, Mr. Mitchell and Mr. Campbell style themselves the electric quartette.

Harvey Boone, Locomotive Fireman, motors out to Chateau Slough in his Grant Six and spends a week at a time. His most recent catch was 100 pounds of Carp, Buffalo and Cat fish.

E. Stahlhut, formerly of the Store room, had his Ford car down at the Plant several days ago. This car is almost in first-class shape and only needs about \$400.00 worth of repairs.

Messrs. Bud May, Frank Langenbach, William P. Anson, Ernest Robertson, Lon May and others attended the first spring series between the Cardinals and Browns at St. Louis.

Arnold Steiner, better known as "Big Bertha," had his spectacles broken during a recent game of soccer. This should be a warning to those bespectacled ones who indulge in soccer.

Fred Koehneman, Assistant Foreman of the C. & F. Department, who recently met with a rather unfortunate accident, reports the injury is now entirely healed.

Mr. Sylvester Jackson, Electric Welder in the C. & F. Department, has been transferred from the night to the day shift.

Employees of the Electrical Department have been wondering why Mr. Moore, Armature Winder, and Mr. Robert Connor, Electrician, have become such close friends. Some of us have our suspicions, for it has been discovered that Mr. Moore has two very nice daughters.

In the March issue of THE OCTAGON we note that 183 heats were made in No. 4 Furnace at the East St. Louis Works, before any repairs were required to the brick walls. We also note that East St. Louis claims that this record speaks well for the Mason Department. Several of the men in our Open Hearth Platform at Granite City would like to inquire how long brick masons have been operating furnaces at East St. Louis in the position of First Helper. At Granite City we give our First Helpers credit for the long life of our furnaces because we have found that it is through their careful watchfulness that the bricks are not melted. In this connection, we might state that our No. 4 Furnace has been operating continuously, without any repairs being made to the roof, since October 1, 1920.

William O'Hara, Foreman of the Electric Shop, has taken out his "First papers" for citizenship in the good old U. S. A. Bill says that he has told Johnnie Bull good-bye, and that the Land of Prohibition looks good to him. (We bet he has his cellar full.)

G. L. Coke was filling some lanterns with coal oil a few days ago, when George remarked happy were the days when glasses were filled with the 4½% and 100-proof stuff.

Mr. A. B. Fisher, our very popular Superintendent of Production and Processes at Granite City Plant, recently won a prize for being the best dancer at a very exclusive social function in St. Louis. A few days later he appeared at the Plant driving a new (?) Ford Coupe. Art's friends have been wondering what connection there could possibly be between that coupe and the prize at a dance.

Mr. C. E. Turner, who held the position of Secretary of the Works Councillor at this Plant, has been transferred in this same capacity to East St. Louis Works.



Fred Jones, Shot-Blast Operator, 7 years' service



The employes of this works extend to Mr. Hampton their deepest sympathy in the loss of his wife, who died after a lingering illness.

J. E. and A. H. Robertson have joined the politicians' ranks; they were successful in having their brother nominated for Mayor of Granite City. We wish them luck in electing him Mayor.

V. Staples of the C. & F. Dept., was so busy sleeping on Primary Election day, that he overslept and was not able to cast his ballot. The polls had closed thirty minutes before he got there.

## O TEMPORA! O MORES!

BY YOCUM YAR

Last night in a gay Chinese Restaurant,  
The strangest dream came to me!  
I dreamed I was down at the Foundry,  
And the ladle held nothing but tea!  
Sam Brandt and his pal, Walter Brauer,  
Had lined it with sugar and clay,  
In response to a note from Chicago,  
Stating Salesmen were coming that day.  
Lon May bought another white collar,  
And put on his new Sunday Shoes,  
While Crabtree stopped work on a Jury,  
That was trying a case labeled "booze."

The Salesmen arrived on the Wabash,  
The same route they journeyed before,  
And carefully piled up their baggage,  
Right near the Works Manager's door.  
Their hand bags—the small ones of leather,  
Were handled with tenderest care,  
When lifted and shaken quite gently,  
The tinkling of glass filled the air,  
Their suit cases bore weird inscriptions,  
Hieroglyphics unknown to me,  
Except one stenciled "J. Stuart,"  
On which there was painted a Flea.

The scene of my dream quickly shifted.  
The melters were "working a heat,"  
Of Coke Breeze and Sorghum Molasses,  
Which certainly was hard to beat.  
The Wheel Molders took monstrous doughnuts,  
For patterns and rammed up the sand,  
And turned out the molds for this mixture,  
Which certainly melted down grand.  
And then came the Wheel Pouring Foreman,  
And poured every mold on the run,  
With six pounds and a half of brown sugar,  
To load in each Manganese Gun.

Oh my, what a splendid confection,  
Jim Caslin prepared for the guests!  
After annealing and hardening each "casting,"  
And taking the scleroscope tests,  
They were ground down to size on the grinders,  
And frosted and ready to tape,  
While Swezey and worthy assistants,  
Examined them all as to shape,  
And then for the test to destruction,  
They were carried around to the drop,  
And a ball weighing thirty nine forty,  
Was dropped upon them from the top.

The fracture was carefully noted,  
And reported as strictly OK,  
In more than two dozen "castings"  
That were broken in pieces that day.  
And then, in my dream, came Frank Mueller,  
With tidings of joy for the bunch,  
Inviting all guests to the third floor,  
Where tables were spread for a lunch.  
When Lo! In my dream I saw Sonquist,  
(Whose appetite is slightly large),  
Endeavoring to "hook" a few pieces,  
From a buggy made up for a "charge."

He broke off a piece for a mouthful,  
Which undoubtedly tasted quite good,  
For he picked up a gate and a riser,  
And carried off all that he could.  
I remember he gave me a morsel,  
With frosting and brown sugar veins,  
And confided to me confidentially,  
That they served this on all the through trains.  
We were nearing the steps of the office,  
The Orchestra's notes sounded clear,  
When I was rudely awakened,  
The waiter said "No sleeping here."

Mr. G. L. Coke, who, for a short time, was connected with the St. Louis Coke and Chemical Company's Plant in Granite City, evidently did not care much about working for his namesake, for he has returned to the American Steel Foundries as a Night Watchman.

Mr. Pete White of the Foundry, recently took the place of one of our shot blast operators in the C. & F. Department. Pete was a trifle nervous on his first day in the Shot Blast Room and when he felt the vibration of the hose as the shot came through it under high pressure he cried out that he was being electrocuted. However, Pete's fear of electrocution was soon over when details of mechanism were explained to him.

Mr. Carl McDonald, formerly employed as a Clerk in the C. & F. Department, has been transferred to the foundry as a Mold Checker. Carl has been checking all the pattern numbers of the various castings, which have passed through the C. & F. Department for the past two years.



A. H. Kuhlmann, Night Weighmaster, 10 years' service, Granite City

Mr. Ernie Robertson, our Yardmaster, wishes to inquire when we may expect to get shipping instructions on the 5,000 tons of steel castings which are now being shipped from the Final Rails to the "Yardmaster at Granite City Works."

Mr. J. Thomas claims no prize fighter's laurels, but lays claim to "knocking 'em out" when it comes to using that hammer of his on the roughing floor.

Mr. W. White, Sand Blaster in the C. & F. Department, is a fine fellow and steady worker, both in the Plant and in the Colored Southern Baptist Church of St. Louis. His friends say that Bill can always be depended on to do his duty, no matter how hard the task, which is certainly a fine recommendation for anyone.

Mr. Lon May and his baseball batting arm have taken a "back seat" in favor of Doc Fitzgerald, the famous hand-ball expert.

Bill Anson is trying to reduce weight by playing handball. How much have you gained since playing, Bill?

Mr. F. A. Lorenz, Jr., Works Manager of the Indiana Harbor Works, was a visitor at this Works recently.

Mr. J. E. Berry, Asst. Pattern Foreman, who has been failing in health for the past year, was recently taken to Cleveland, Tennessee. Mrs. Berry accompanied him.

Mr. Tom Phillips' countenance is once more seen in the Yard Department, as he has returned from the wilds of Arkansas.

Mr. L. Sharrock, Yard Clerk, who is studying to become a physician, attended a Clinic in Chicago during the first week in March.

Interior decorations have been completed at the home of Mr. M. L. Edwards, Work Auditor. A lot of good paint and varnish went along with the spring house cleaning.

Now that Mr. A. B. Fisher has learned to make his own moonshine we are wondering whether he will give any demonstrations at the Plant.

Mr. Joe Lozinski, Chipper, celebrated the quarter of a Century mark with this Company by taking a two weeks' vacation in Washington County, Ills.

Jim Reynolds, the Air Hammer repair man of the C. M. & A. Department, has been transferred to the Repair and Maintenance Department, in charge of all pneumatic tools. We congratulate Jim.

Mr. Murel Corbett, formerly Assistant Foundry Foreman, has recently resigned his position to go back to the Marines. Corbett was a great friend of all the boys in the Foundry and they sure regretted to see him go.

Mr. Ed Duncan is thinking seriously of placing a sign down on the Wheel Moulding Floor, which will read as follows:

Please keep your pipes in your pocket or else smoke them. Please do not ram them up in the sand.

Messrs. Joe Mowry and Lon May wish to challenge, through THE OCTAGON, all corkball players in this Plant and the St. Louis District. We are looking forward to some very exciting games in the 50-Year-Old Class, when these two noted gentlemen have their challenge accepted by Messrs. Harry Clark and Ernie Robertson.

E. Emmel has been added to the Night Fire Brigade, owing to the small number of men in the crew.

Mr. Patrick P. Hackett is the proud father of a nine-pound baby boy. It is customary for gentlemen at Granite City to pass around cigars, provided the child weighs more than five pounds. To date, we have not seen the cigars. We hear the child's name will be Patrick Paul Hackett, Jr. This ought to entitle us to two cigars apiece.

Shorty Winters has no use for his Velie car since he walks to work each day. Someone wanting a car absolutely free may receive this car from Shorty by just writing him and asking for it.

Mr. Marion Crabtree recently served a week on the Jury and reports some very interesting cases. He does not mention whether they had 24 bottles in them or not. He also has purchased a new Studebaker car, with the \$7.50 paid him for his week's work on the Jury.



John H. Driskill, Truck Driver at Granite City



L. L. Sharrock, of the Yard Office, is studying to become a doctor. Lew ought to make a good M. D., for he is well qualified to tell the patients what the exorbitant charges will be.

Mr. Tom O'Brien, Chief Inspector at this Plant, made a business visit to Chicago recently.

Doc Diefendach, our Sand Mill Foreman, has been granted a leave of absence for the summer, to rejoin Harry Neal's Comedians. The show opened May 2nd, at Chillicothe, Ohio. Doc expects to be back when the summer theatre season closes, or in time for our next Minstrel Show.

Milford Hennessey, who for four years was the clerk in the Wheel Department, has left the service of the Company.



Ed. Farney, Foreman Molding Dept., 10 years' service, Granite City

Among our recent distinguished visitors was Mr. H. A. Bone, who was very much interested in the production of the Davis Steel Wheel and while here witnessed some comparative drop tests on the wheel which showed conclusively that they were far superior in strength to wheels of other makes. We were also honored by the visit of Mr. H. Nonaka, accompanied by Mr. A. G. Williams, Manager of our Export Dept.

Fred Jones, of the Wheel C. & M. Department, has a different job every day that he works. He is Sand Blast Operator, Wheel Roller and Scale Clerk. He holds down all three jobs on the three days of each week that he works.

Mr. D. C. Young, formerly of the Employment Office, has been transferred to the Wheel Dept. as Department Clerk.

Mr. Jacob Jack, who operates the broom and mop around the Pattern Shop, was very proud when told that the Pattern Department of Granite City Works had the highest rating for cleanliness of all the other works for the second time in succession. Visitors can come in this shop at any time and find the floors, desks, benches clean and without getting dust on their shoes.



## Hammond

Mr. John Stamm, Chief Clerk of the Orders and Material Department, made his first trip to Hebron, Illinois, in his new car. He counts himself a seasoned chauffeur since making this trip without accident.

Everybody has noticed lately that our Material Chaser, P. A. Ebert has been sporting some up-to-date clothes. Some of the rest of us are seriously thinking of following his "suit."

Mr. Howard Patterson, Brake Cost Clerk, although married, is cutting a wisdom tooth which is causing him much annoyance. "Knowledge" is almost always attained with difficulty.

Mr. E. J. Formhals, from the Chicago Office, has taken the position of Stenographer and Clerk in the Brake Department.

Mr. George Engleman left for Sharon, Pa., to get his Pullman automobile which he intended driving back to Hammond. Upon his non-appearance at the stated time, the following telegram was sent:

"Mr. Marshall Post, Wks. Mgr., Amer. Steel Fdries., Sharon, Pa.

"Car containing Engleman scheduled to leave your plant last Friday, not yet received. Please trace. R. D. Pettit."

"Car containing Englemans left here Friday; arrived Alliance Friday night. If present speed is maintained, should reach Hammond Labor Day. Marshall Post."

Wire from Pettit to A. Robertson, Alliance:

"Car containing Englemans reported to have left Alliance Friday morning, not yet arrived. Have Joseph trace vigorously."

Wire from Robertson to Pettit:

"Washout reported near Indiana-Ohio State Line; all trace lost."

Wire from Pettit to Marshall Post and A. Robertson:

"Car containing Englemans arrived in bad order. Sent to Pullman for repairs."

Note to Sharon Readers: This is the car Mr. Thomas Ryan bought at auction for \$1.98 and after driving it around the block without finding a buyer for it at \$1.00, he was forced to return it to George when that Knight of the Road arrived at Sharon.

Invoicing has been transferred from the Simplex Plant to the Chicago Office where it will be done in the future.

William Guthzeit, Brake Beam Foreman, was among the representatives of the E. B. A., whose photograph appeared in the April issue of THE OCTAGON.

Mr. R. Scott Robins, of the Cost Department (Brake Beam), was married last month to Miss Margaret Daley. Mr. Henry Leimback, Chief Timekeeper, was also married this spring to Miss E. Bornhousen, of Chicago Heights. Congratulations are extended to these two young couples.



Max Schmidt, Receiving Clerk Brake Beam Dept., 4 years' service, Hammond

Mr. O. Stewart and Mr. Patterson were transferred from the Cost Department to the Clasp Brake Production Department. Walter Lewandowski was transferred from the Invoicing Department to the Cost Department, Clasp Brake.

Mr. Kenneth Garvey, formerly of the Stores Department, Indiana Harbor Plant, has charge of the clock house during days, for the Brake Beam Department. His old friends will be glad to hear that his present position seems to be agreeing with him as he tips the scales easily at 110 lbs.

Mr. "Butch" Bolyard is the new assistant on the Yard Crane.

The Yardmaster's Office received a general cleaning recently and with the addition of some new furniture, has the appearance of a regular office. For the sake of the furniture, we hope it has been reinforced as it is coming in for some "heavy" wear.

Mr. G. J. Callahan, formerly Night Chief Inspector, is again with us as an inspector, Brake Beam Department.

It has been reported that Ed Roberts, Track Foreman, is another one who has been making tentative inquiries as to whether two can live as cheaply as one.

The "Curbstone Strategy Board" is now holding its annual daily meetings in the Storeroom Office, 12 NOON to 1:00 P. M. Herr Von Johnsey and Count Von de Lowe challenge the world on any subject it cares to discuss for enlightenment.

All honor to Emil, Blue Print Boy, who succeeded in getting two tickets for the opening night of Hammond's new "wonder" theatre, The Parthenon.

P. J. Riorden, Cardfile Supervisor, was ill recently with a touch of pneumonia.

Mr. Henry Hyams has been placed in charge of the Hohman Street Clock House.

Mr. Chadwick, of the Grip Nut Company, and Prof. Endsley, of Granite City Works, were recent visitors at the Simplex Plant. Mr. Chadwick had been at our Plant twenty years ago when the office was across the street.

Mr. Walter Baselt lost his father recently. We all extend our sincere sympathy to him.

The small son of Mr. Bob Patterson, Blacksmith, died April 6th, with diphtheria. We extend our deepest sympathy to the family in their trouble.

O. B. Anderson, Timekeeper in the Brake Beam Shop, has resigned; Dan Purcell, Stenographer in the Brake Department, has also resigned to go into the candy business.

R. G. Conde, Asst. Supt. of the Bolster Shop and Ex-Ruler of the Elks, is making all preparations for a trip to the Golden State Convention, to be held in June. We understand his panama hat has been kept in moth balls all winter for this occasion.



M. E. Hughes, Clerk, Spring Department, 9 years' service, Hammond

Henry Leimbach, Timekeeper in the Shipping Dept., has been changed to the Production Department in the same capacity.

Mr. J. A. Calwell, Assistant Works Manager, is back at his desk after a siege with the flu.

Mr. John Stamm, Chief Clerk in the Department of Orders and Materials, has purchased a new Studebaker.





A. J. Smith, 17 years' service,  
Driller, at Hammond

The next time Max Schmidt, Yard Checker, takes his girl to Chicago, he won't come home until all his money is spent. Max and his lady missed the Michigan Central late train and were forced to take a taxi to Hammond, but on the way they were held up and \$12.00 extracted from Max.

In order to have all new-fangled car equipment, John Mischke, Head of the Pattern Department, has traded in his Dodge, on a new car of the same make.

Mr. August Koehler, Janitor of the Storeroom, who has been ill since December, has not sufficiently recovered to return to work.

We claim Uncle John, our Car Tracer, can give little Harry at Alliance cards and spades in his line of work. What does Harry think of this?

Carload of malleable castings loaded at Muskegon, Mich., 8 A.M. Uncle John heard of this about 10:00 A. M. The result was four switches on the car, a distance of 186 miles; went through three different yards; received at Hammond 8:30 A. M. the next day. Some speed? We would ask our friend, little Harry, to note that Uncle John does not give a —, when he has his hair cut.

Mr. G. H. Austin, Works Manager, started his eighteenth year with the American Steel Foundries this spring.

Mr. Loren Whitney, Superintendent, Brake Department, made a recent visit to Pittsburgh.

We extend our utmost sympathy to Mr. Frank Chandler, Watchman, whose daughter, Mrs. Mason, died, leaving two small children.

The following men are taking the International Accountants Society Course and attend a lecture each Thursday: Joe Mecum, Mr. Dickman, Scott Robbins, Cost Clerks, Clasp Brake Dept.; Raymond Emerson, Mail Clerk; Roy Carpenter, Production Dept.

Mr. W. A. Blanchard, of the Sales Department, Mr. J. H. Doré, Clasp Brake Dept., and Mr. D. M. Light, Traveling Mechanical Engineer, General Offices, were recent visitors here.

The Simplex Plant is now operating according to "Sun" time. The majority of workers are hoping Hammond's Council will rescind their ordinance to operate on Standard time.

J. A. Calwell, Assistant Works Manager, is taking his two weeks' vacation in week-ends.



## Indiana Harbor

Miss Lucy Schmeir, a sister to William Schmier passed away after a long illness. The entire Plant personnel extend their sympathy to the family in their bereavement. Mr. Schmeir is employed as Scaler in No. One Shipping Department.

Supt. Harry Voight has stolen a march on the boys in regard to "spring house-cleaning." His office is painted, the furniture rearranged and the shades cleaned, with the expression of "Thank goodness, that's done."



Mr. and Mrs. Chas. C.  
Means, Indiana Harbor

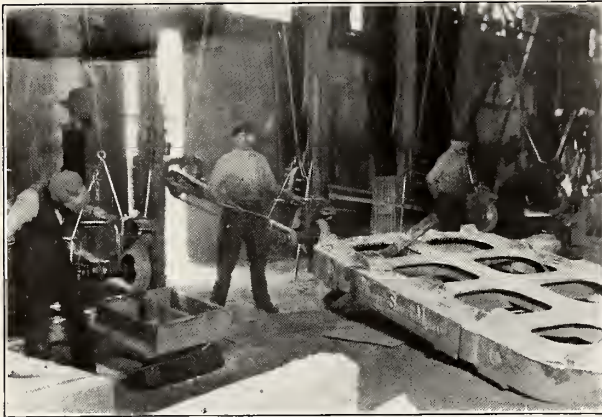
Mr. Herman O. Dratz, Mechanical Engineer, spent several days at home recently, on account of trouble with his ear. Herman says, "Boys, it was some pain."

Harold Osman and Clint Shonk are busy young men these days working on special data concerning the weights of molds. Clint, being the smaller, watches the copes while "Ozzy" handles the heavier sections.

Study the past if you would divine the future.

The decorating squad has completed the task of whitewashing the Pattern Shop. Little by little the Plant is now showing marks of the ideal working place.

Johnny Methgan has returned to work after an illness.



A. Novak, T. Blahut, B. Monuel and J. Donachuck, Grinding Charging Car Bodies and Miscellaneous Castings, at Indiana Harbor

A surprise party was held in our dining room, during lunch hour, when Mr. William H. (Daddy) Parker was presented with a little token of "Baby's First Step"—a handsome fourth-handed walker from the boys. Amid smiles and cheers Bill accepted it with the usual "Many thanks."

The Indiana Harbor Plant employes are anxiously waiting to hear, through the lines of THE OCTAGON, something about the Messrs. Murphy, Means and Eidam since their transfer to the East St. Louis Works. Here's hoping Mr. W. J. Hess will not fail us in this matter.

The Indiana Harbor Works welcome Mr. George Alston, formerly Works Auditor at Alliance, to our Plant to take up the duties of Works Auditor. His many friends wish him success.

Mr. James Haywood, Inspector in our large Cleaning Room, is back on the job after being laid up with a sprained ligament. His "walking stick" is very becoming.

At the last regular Foremen's Meeting, some very important issues were discussed. Data covering a period of five years' operation were produced, showing comparisons with the present time in the manufacture of steel castings.

Word has been received from Messrs. Ray Means and Andy Schubert, two young Molders making their home in the West (which Andy states is full of opportunities), and Andy claims that he is waiting for that one great knock which is supposed to come but once in every life.

Someone has suggested the Plant should furnish Alex Johnston with a special mailsack, in order to carry his sample sheets. Here of late he could have employed a trained octopus to handle the work.

Jack Deistler has returned to his bench as Pattern Matcher, after spending some time on his back, the result of a so-called "smash-up."

Mr. C. B. Alexander, Assistant Works Auditor, Alliance Works, was a recent visitor at our Plant. The Production Control System was explained to him while on his tour. Here's hoping we may receive other members of the Company, as our "Welcome" sign is permanent.

Andy Stephenson happened along the other day from Pittsburgh. Glad to see you "Steve," but why the rush? We had cherry pie the same day.

The "Needle and Thread" Club, formed by several of the office girls in the Order Department, has suspended its noon-day gatherings, owing to the nice weather. Hattie Koch, Myrtle LaBelle, Margaret Klingenberg and Margaret Firszt are now seen strolling down the path in search of (violets).



Top row, left to right: Morris Cohen, Tom Boshold, E. H. Ebel, Catherine Fagan, Ruth Bergmark and May Crott. Second row: Josephine Bane, Hattie Koch, Mrs. Riley, Alice Thomas and Bernice Lipner. Bottom row: Lora Weydert, Meda Norton, Dorothy Yellan and Mrs. Landell. Indiana Harbor

Rather than meet the landlady's demands, Fred Murley remarked he would not pay it, even if he had to move to Hammond. Be careful, Fred, you might find them singing the same song in Hammond, the only difference being in the composer.



The new Safety posts installed at all railroad crossings throughout the Plant, have marked a big improvement and certainly should eliminate any accidents that might occur through a careless observer. They are painted black and white with a large red ball as the universal sign of "Danger."

Can anyone remember the last time they won a smoke from "DAD" Voight on the result of a boxing match? If there should be one who picked the right man, please notify the Associate Editor and a special mention will be made in a later issue.



**Pittsburgh**

Andy Stephenson has purchased an Oldsmobile.

The sincere sympathy of all our employes is extended to Robert Balmer on the death of his sister.

Joe Palombo, of the C. & M. Department, is back on the job after an absence of several weeks in the hospital.

Pete Radich, our Acetylene Welder, made \$10.00 one day playing his concertina at a funeral. Some business man, eh Pete?

Julius Kotkiewicz was repairing houses during his layoff, while Milan Marinovic was "Still" running.

It is plainly seen why Walter Wardzinski, Air Hammerman, has become so abstracted. There is a young lady with whom he promenades the streets after seven o'clock every evening. We wish you luck in advance, Walter.

K. Marcygonu, of the C. & M. Department, is the proud father of a baby girl, and John Ferdebar, Snap Molder, has a fine baby boy.

Pittsburgh Works wishes to congratulate Indiana Harbor Works on the appointment of Mr. George L. Alston as Works Auditor. George got his start with the A. S. F. at this Plant and all of our employes are strong boosters for him.



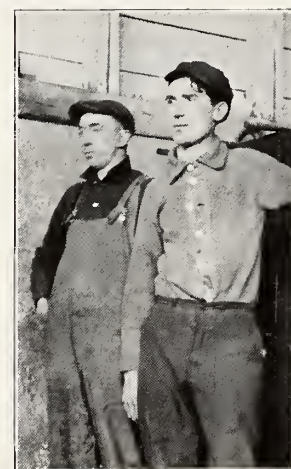
Valentine Luczak, Chipper,  
14 years' service at  
Pittsburgh

The very interesting article on "The Home Garden," by Mr. H. Olden was very much appreciated by many employes at this Plant and they look forward with much interest to succeeding articles. One of our Foundry foremen, whose wife is a garden enthusiast, says that he hopes that Mr. Olden will tell how to keep the neighbors' chickens out of his garden.

Howard Warburton, of the Core Dept., better known as "Shoot-a-nickel-Nosey," took advantage of the mild weather recently to go up the river and overhaul his camp. "Nosey" has invited all the core-makers to be his guests some time during the coming summer, preferably on payday.

The stork left a 10-pound boy at the home of Mr. and Mrs. Lewis Meyer, April 4th. The cigars and candy were much appreciated.

George Budmilie, Snap Flash Molder, has moved to his summer home on Troy Hill.



John Melchior, Core Maker, 15  
years' service, and P. G. Salmon,  
Foreman, Core Room, 22  
years' service. Pittsburgh

The sympathy of all our employes is extended to Wm. Lizak and John Micholski, Foundrymen, who lost their daughters recently.

Steve Kins, Molder, is throwing out his chest on account of the stock leaving a seven-pound boy at his home. The stork paid another visit to the home of Mr. Robert Morse, Helper on Frost Sand Mill, leaving the fourteenth child. Bob now has nine girls and five boys and is proud of them all.

We challenge any other Plant of the A. S. F. to match this record.



Miss Louise Zollinger, Telephone Operator at Pittsburgh, enjoying vacation along French Creek

as Works Auditor at Franklin.

Joe McCord claims that no girl can "vamp" him. Beware Joe, no sooner said than done. Your days of single bliss may be shorter than you expect. Ask Ralph P. and Elmer E. how it happened to them.

There seems to be a great deal of fuss over pie in some of our Plants. What we want to know is, "Who's eating all this pie?" Our mouths are all set for action. Come across and let's *taste* it. The A. S. F. must have some excellent "Pie Plants."

We would like to put some of the leading Grand Opera Companies wise to a songbird that is guilty of daily toil in this Works. Caruso or John McCormack are not in it when compared with our warbler. He is in a class by himself. We will leave it to you. Ask Andy, of the Dry Floor.

J. A. Davies, Car Tracer, is in a very self-satisfied mood. Reason: his picture appeared in a recent issue of THE OCTAGON.

Fred Hahn, our Day Watchman, was in a very reminiscent mood the other day, thinking of when you could get a gallon of honest-to-goodness beer with the real old-fashioned kick to it for a dime. Them were the happy days, eh Fred?

The "White Collar" men of Pittsburgh Works, during the recent temporary shutdown, demonstrated a way of cutting foundry costs by unloading a car of slack and a car of sand. No unloading records were broken but several backs were. Instead of Ed. Pinaud's, the air was permeated with Sloan's Liniment.

The Pittsburgh bunch is also glad to see Joe Wagner go up another rung of the ladder. "We knew you had it in you Joe, Old Kid! Keep up the good work! We're with you." Franklin's loss will be Alliance's gain. While passing congratulations around the A. S. F. family circle, we also wish to give Mr. H. L. Leyda the glad hand and wish him every success in his new position

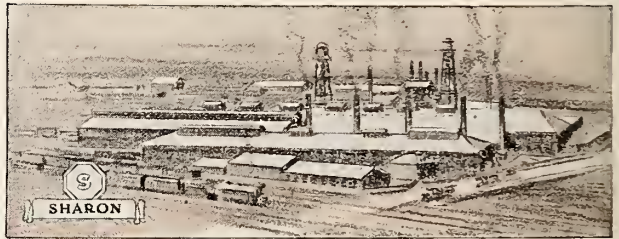
We are glad to see Mike Hawkins, Craneman back on the job. Mike is as optimistic as ever and declares he is here to stay this time.

One of the liveliest papers that is read at the 8:30 Club Meeting is the Clean-up Committee's Report. It is enjoyed by all because the Committee doesn't care whom it criticizes. "Bar None" is their motto.

Stanley Stasak and Anton Kachmarik have departed for their native countries in Europe.

Eddie Klause, our comedian truck driver, says he has purchased an O. P. O. suit for the spring season. Asked to explain O. P. O., Eddie whispered to us "One Pants Only." Wassamatter, Eddie? Are you trying to beat the H. C. L.?

Mr. Rollin Lusk, of the local Sales Office, has treated himself to a new Studebaker runabout. It is surely some boat, Roll.



## Sharon

H. U. Rollinson claims the honor of being the champion walker at the Sharon Plant; every time his car goes to the bad, Harold walks to work (but he claims seven miles is not far).

Geo. Engelman, of the Hammond Works, formerly of Sharon, drove his famous car "The Pullman" from Sharon to Hammond. Bad roads have no effect on a real car.



Wm. Davies, Machinist, five years' service, Sharon Works

A. C. Dunlap has his Dodge going again, the first time in a year. Must be a habit for the cars here, as none of them run one-half the time. Now, listen to the chorus.



This nice weather is causing Andy Dunlap and Thos. Ryan to smile and they are getting their fishing tackles ready. We know two fellows at this Plant who refuse to go with them, as the last time they went they only walked forty-two miles and that on a real warm day.

John Niehoff has named his famous Airedale "Skipper" and it is *some* dog. Any dog that has a home like "Skipper" has, must be good. John made a doghouse and put a door on it and when "Skipper" wants to go in or out, he must bark and the door is opened. (According to some neighbors, the door is never closed.)

Johnny Coulon may be famous on account of that trick that "nobody can lift him," but Ray Williams claims Arthur Jones is the heaviest man he ever tried to lift and he tried hard to do it.

Mr. A. J. Stevenson, formerly Chief Clerk at this Works, recently paid us a visit.

Mr. T. T. Davies, Works Auditor at this Plant, visited Alliance Works recently.



**General Offices**

There have been several changes in the Accounting Organization at the Plants: Mr. W. H. Winter, Works Auditor at Indiana Harbor, has resigned; Mr. G. L. Alston, of Alliance, has come to Indiana Harbor; Mr. J. E. Wagner, of Franklin, has gone to Alliance; and Mr. H. L. Leyda, appointed Works Auditor at Franklin, has taken Mr. Wagner's place.

Miss Madeline Laidley, who was Secretary to Mr. D. T. Harris for more than a year, resigned her position last month to return to her home in Madison, Ind., where preparations will begin for her marriage which takes place in June. She will wed Mr. David H. Moore, formerly of Chicago, who is now engaged in insurance work in Pittsburgh, where the two will make their future home. Miss Laidley has our heartiest congratulations on her approaching nuptials.

Miss Helen Locke, of the Voucher Department, is quite a dancer. Recently in a dancing contest, she won three firsts out of four "entries."

We very much regret to hear of the death of Mr. L. A. McCleery, Works Auditor at Thurlow, and wish to extend our sympathy to his family in their bereavement.



Walter McElligott, Stenographer, 3½ years', and Harold J. Lawrence, Clerk, 5 years', Casualty Department

Mr. Robert B. Swearer has recently joined the American Steel Foundries organization as Sales Agent in the Miscellaneous Department, with Headquarters in the New York Office.

Mr. Harry Olden has been at Simplex Works for some time. Harry is all set to go to South Haven to do his spring gardening.

Richard Cunningham, Cost Department, who has been ill for several weeks, has returned to his desk.

Mr. A. Robertson, Works Manager, Alliance, was a recent visitor in the Chicago Office.

We had a visit a short time ago from Earl W. Taylor, until recently connected with Mr. Spieth, of the Wheel Department. Mr. Taylor is in the South working with a coal concern, in which he is interested.

A recent small-sized conflagration occurring in one of the eleventh floor offices caused no little excitement at the time. The cause was none other than one of those tiny matches thrown into a basket containing waste paper. Reports from the local fire department showed no damage save the complete destruction of said basket.

Mr. C. C. Jarchow made a short trip to Washington last month. Mrs. Jarchow accompanied him, remaining in the Capital ten days, sight-seeing.

The following code book pages were revised and sent out since April 15th: Pages 188B (dated 3-14-21), 3, 4 and 4A (dated 4-1-21), 2 (dated 4-1-21, bearing notation that it is the second page of that date issued), 187A (dated 3-15-21), 199 and 200 (dated 4-1-21), 164, 165, 166, 167, 168, 174 and 176 (dated 4-1-21) and 191 (dated 4-1-21).



## Works Councils Secretaries

F. E. Brew, Alliance.  
J. Weston Eyre, Chester.  
C. E. Turner, E. St. Louis.  
George R. Mann, Granite City.  
S. C. Lind, Indiana Harbor.

## Chester Works Council

Howard Barrowclough, No. 2 Foundry Molder, has been elected to the Works Council from Division No. 1 and will doubtless prove the wisdom of the men who are supporting him, as he has been here for years, is well known and liked, and familiar with conditions about the Shop.

John McAllister is very proud of his Works Council badge and keeps it in fine condition. John is a Molder in No. 1 Foundry.

## East St. Louis Works Council

F. P. (Chick) Erwin was appointed on the Nominating Committee of the Works Council.

Ellis Turner, formerly of this Works, and late of the Granite City Works, is back with us again, in the capacity of Works Council Secretary.

The organization of the Works Council at this Plant caused considerable interest among the workers and resulted in the following elections:

## Employees' Representatives

Division	Department	Representative
No. 1	Cleaning and Machining	THOMAS HOWARD, <i>Chipper</i>
No. 2	Molding	J. LONG, <i>Craneman</i> H. MITCHELL, <i>Rammer</i> Oiler
No. 3	Pattern and Core	JESS EDWARDS, <i>Coremaker</i>
No. 4	Open Hearth and Electrical	A. DIXON, <i>Electrician, Yard</i>
No. 5	Power House and Mason	G. DODGE, <i>Machinist, Repair</i>
No. 6	Administrative, Inspection and Casualty	J. M. WALSH, <i>Time Clerk</i>

## Management Representatives

F. C. ROHLKOETTER, *Chief Inspector*  
H. C. GREVE, *Yardmaster*  
I. E. WATSON, *General Foundry Foreman*  
C. WALCHER, *Shop Superintendent*  
L. C. FARQUHAR, *Asst. Works Manager*  
J. STEVENS, *Chief Electrician*  
C. M. HUDSON, *Employment Agent*

Now, that we have a perfectly good Works Council established, it looks like First Division.

## Granite City Works Council

The additions to the Works Council, as a result of the election held here March 19, 1921, are as follows:

Division	Department	Representative
No. 1	Open Hearth and Core	ELMER BLAKELY, <i>Corerom</i>
No. 2	Molding	CHAS. PFORTNER, <i>Craneman</i> CLAUDE NANCE, <i>Sandslinger</i>
No. 3	C. M. & A.	CHAS. ACKLIN (Re-elected)
No. 4	Wheel	E. H. BURGER, <i>Annealer</i>
No. 5	Repair and Maintenance	J. WALDT, <i>Electrician</i>
No. 8	Inspection, Accounting and Administrative	THEO. M. SCHALK, <i>Office</i>

T. Schalk of the Main Office was elected a member of the Works Council from the Accounting and Inspection Division. We hope Ted will like his office of trust.

Chas. Acklin, of the North Plant, is wearing a big smile as a result of being re-elected.

With the Molding Department represented by Chas. Pfortner and Claude Nance, we know the Works Council will be kept busy.

You need not be "shocked" to hear that J. Waldt, Electrician, was elected from the Repair Department because his opponent, Ernie Liebman, is also an Electrician.

The prompt attention given to the erection of a Hand Ball Court shows that the newly appointed Athletic Committee on the Works Council is on the job. With a committee of W. P. Anson, C. Acklin, M. Crabtree, W. Brauer, W. G. Colson and J. Dial, we can expect a great amount of activity in athletic sports during the year of 1921.

Ellis Turner, Secretary of our Works Council, has gone to the East St. Louis Works Council. Ellis is a good organizer and a good scout.

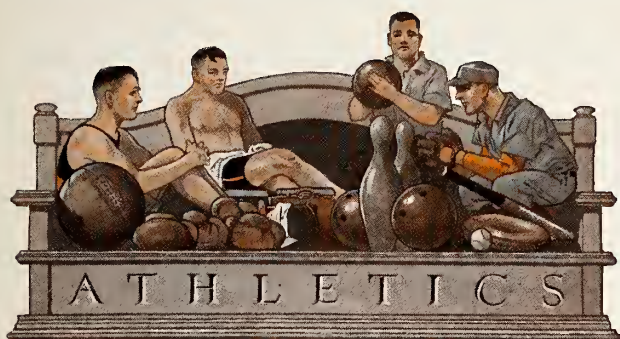
## Indiana Harbor Works Council

Frank Henrihaus was recently elected representative from Division No. 4 to succeed Mr. Joseph Grabski, resigned.

J. Schmidt, representative from Division No. 1, was recently elected as the Works Council representative to the Athletic Association.

Richard Davis, Plant representative of the Works Council, has signified his intention of running for Alderman in East Chicago.





## At Alliance Works

The American Steel Foundries Goomf Club Bowling League closed its season with a whiz bang Thursday evening, April 7th, at the Sebring Alleys, Sebring, Ohio. The closing games were rolled by the Indians taking three straight games from the Braves, moving the Braves down to second last place. The Panthers took two games from the Warriors, but even with this eleventh-hour spurt were unable to move out of the cellar position.

The Athletic Committee of the Goomf Club awarded the cellar champs their leather medals which are being worn with much pomp and ceremony around the Plant. The Committee felt that, inasmuch as the Office of THE OCTAGON was awarding bowling balls to the individual members of the championship Indians it was only fair to award the Panthers for their remarkable spirit of sportsmanship and stick-to-itiveness.

To show their appreciation for the patronage of their alleys and the spirit of good-fellowship that was displayed during this bowling season, Messrs. Crewson and Shively, proprietors of the Sebring Alleys, presented the Goomf Club Athletic Committee with a very substantial check. The Goomf Bowlers and all members of the Club wish to extend to Messrs. Crewson and Shively their hearty thanks, not only for the check received but also the many courtesies shown them all season at the Sebring Bowling Alleys.

## Standing to Date

	P	W	L	Average	Total Pins	Average
Indians.....	30	19	11	633	23443	781
Warriors.....	30	17	13	567	23437	780
Wildcats.....	30	16	14	533	23007	767
Cubs.....	30	14	16	466	22694	756
Braves.....	30	12	18	400	22658	755
Panthers.....	30	12	18	400	22147	738
High individual game score, Biery.....						266
Second individual game score, McCarthy.....						252
High individual score (3 games), Biery.....						637
High team average, Indians.....						896
Second team average, Warriors.....						889
High team score, Indians.....						2545
Second team score, Warriors.....						2480

High individual average, 30 games, Biery.....	177
High individual average, 30 games, Ruffner.....	172
High individual average, 30 games, Geddert.....	171
High individual average, 30 games, Freed.....	169

## Names of Championship Indians

ROY SHRIMPLIN (Captain)  
 JACK McCARTY  
 JACK HARRISON  
 BYRON McCAUSLAND  
 FRANK BREW  
 GEO. FUNKHOUSER (Utility)

In the very near future the Athletic Committee hopes to have a banquet for the members of the championship Indians and at that time we hope to have Mr. Robertson present the Bowling Ball watch fobs, presented to the winning team by THE OCTAGON.

## At Chester Works

The Foundry has organized a Volley Ball team composed of Gordon Garling, Dutch Kestner, Captain Pat Cummiskey, Mike Murtaugh, Bill Slawter and Jim Grace, who have issued a challenge to any Volley Ball team in the Plant. So far there have been no acceptances, but the Office has promised to give them a drubbing some day at noon.

We are wondering who told Harold Cummiskey, No. 1 Foundry Molder, that the cost of the Score Board on the Athletic Field is going to be deducted from his wages.

Elmer Burke, No. 1 Foundry Molder, crack wing shot is figuring on challenging Frank Troch to a shoot.

Ernie Harrington, Pattern Shop Foreman and an ardent Volley Ball enthusiast, has been bragging that the Old Men who played Volley Ball had it all over the young fellows and challenged them to a game. *They played.* Since then Ernie has been walking around with his head down, acknowledging that he does not know a thing about the game, for the young fellows trimmed their elders three games as follows:

First Game	Young Men	15	Old Men	8
2d Game	Young Men	15	Old Men	14
3d Game	Young Men	15	Old Men	12

The line-ups are as follows:

Old Men	Young Men
Munson	Shaw
Harrington	Getz
Ewing	Eyre
Coyle	Stinson
Grady	Hammond

Now there is gloom in the camp of the Old Men's Team.



## THE OCTAGON



Fred Kestner (otherwise "Dutch"), No. 1 Foundry Molder, says he would be an Ace at Volley Ball, if he could only forget for a while that he hasn't a bat in his hand when he hits the ball.

Patty Corbett, No. 1 Foundry Molder, hasn't any time for athletics these days, his spare time being taken up by other more important diversions, such as nursing an injured leg, etc.

The Baseball Team is coming along in fine shape and the indications are that we will have even a better team this season than last. Games have been arranged with Aberfoyle, our rivals of last season, American Chain at York, Strawbridge and Clothier at Philadelphia, Camden City at Camden, N. J., Lebanon and Minersville, Nativity of Philadelphia, Sharpless, A. A. of West Chester, with whom we open up the season, etc. Some of the boys from last year in the line-up are, Morgan, Johnson, Benny Boushelle, Larkin, O'Brien, Hartline and Hannum. We expect a very successful season and by the time this issue goes to press, we will have probably played several games, the scores of which will appear in the June issue. A dinner was recently given to the baseball players of last season and a few players who desired to go along with our Club this season. Eddie Miles certainly did "out-Chef" himself that night, for some of the boys claim they still taste *that chicken*. At the close of the dinner, Mr. R. S. Munson made a few remarks to those present, followed by Mr. MacDonald, who outlined the plans for the coming season. The men were very enthusiastic about this season and after some remarks in which they participated, all adjourned to the Gym where they enjoyed themselves playing Volley and Basket Ball, etc.

### At East St. Louis Works

The indoor baseball game is drawing the fair sex from the Office as spectators.

Harry Harmann, Catcher for the Operating Department, forgot he had no mask on and stopped a fast one with his nose.

Chas. Hudson has the Indian sign on Johnnie Frei—he struck him out four successive times at bat.

Gebhart and Obrock owing to their nimbleness have secured the honor of retrieving passed balls.

John Reiner of the Dispensary is Receiver for one of the teams.

To see the contortions and gyrations Frei and Hudson go through when winding up for a fast inshoot is worth walking blocks to see.

Dave Ellis is sliding to bases in midsummer form and incidentally collecting cinders.

Alex Smith is batting 666; you can't keep the Pattern Shop down.

The rooting honors belong to L. V. Day, and to show he is a good scout, he roots for both teams.

### At Granite City Works

The boys of the yard have taken up playing "horse shoes," which is a good summer sport and the sun furnishes a good coat of tan.

Oscar Heineman, Order Clerk, and his fellow friends of the office devote their spare time to tennis. They count to "love" and forget the balance of the scores.

Lon May, Foundry Foreman, and his foundry friends have opened the season with a Cork Ball team. Open dates are on the schedule and challenges will be accepted. Address all correspondence to Lon May at the Granite City Works.

H. M. Rishel, of the C. & F. Department, has great confidence in his boys, as Cork Ball players, for he has issued a challenge to our friend, Lon May, of the Foundry, and his team of wonders. Lon is the man who can pitch some of those wonderful "No hit, no run" games. Rishel is booking games with all strong Cork Ball teams.

### At Indiana Harbor Works

The four captains elected to handle the teams composing the A. S. F. Indoor League, were Walter Johnson, Chas. Means, Leo Engleton and Walter Anderson. Each man promises to lead his team into first place.

It has been whispered around the Plant that several of the "Hee Landers" are forming a bowling team and have challenged the shop to a match game. As good Scotchmen, we admit their capacity of handling high balls, but something with three holes in it, "Well, that's different." Here is the proposed line-up for the "Hoots," Messrs. Suttie, Scholes, Johnston and Campbell. The only tip we can offer is, "Watch the scores." (Losers pay all.)



# Company Products



Cast Steel Rack Trolley Side



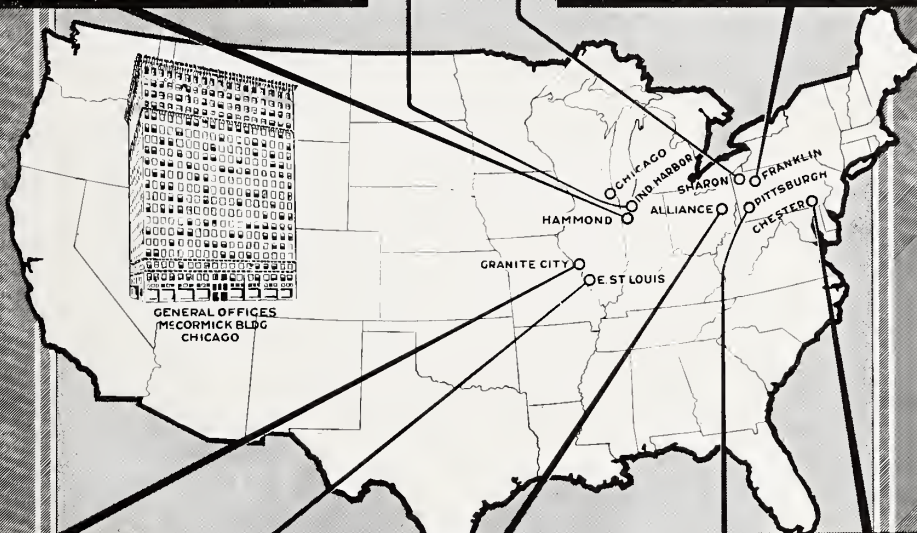
Cast Steel Vulcan Side Frame



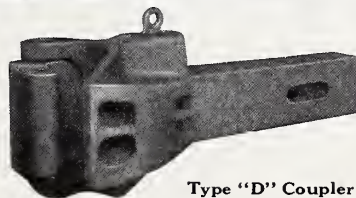
Volute Buffer and Draft Springs as used on foreign freight equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







# THE OCTAGON

June, 1921





# The Latest Award for Good Order



The committee selected for the last investigation into the condition of the A. S. F. Plants made its decision as follows:

<b>Thurlow</b> .....	<b>86.01</b>
<b>Alliance</b> .....	<b>85.49</b>
<b>Indiana Harbor</b> .....	<b>84.50</b>
<b>Granite City</b> .....	<b>83.81</b>
<b>Pittsburgh</b> .....	<b>82.96</b>

Thurlow Works is to be congratulated upon its standing, inasmuch as it occupied fifth place in the last award. The advancement is particularly commendable, since the general average for all plants is only slightly below that governing the previous award. Now that the general activities at the various Plants are reduced very considerably, the assumption is that the figures developed by the next inspection will indicate a general increase.





VOLUME V

JUNE, 1921

NUMBER 18

## THE MISSION OF INDUSTRIAL SPORT

By

HERBERT REED

**H**E plays best and with the greatest spirit and sportsmanship who earns the right to play. This is the reason why one of the epoch-making movements in the life of this nation, Industrial Athletics, will go down into history as one of the milestones of American progress. I have had the opportunity of watching the developments of this modern athletic idea in the course of its forward progress, first in a big New York department store, then in a big shoe plant in Northern New York, and finally in certain of the big shipyards. In the case of the shipyards it was not the occasional wartime baseball team, but the peace-time soccer and basketball teams that best expressed the spirit of the Plant and the movement therein. To date, the men themselves, the Shop managers and even the higher-ups, have pronounced the movement an unmixed blessing.

I have seen a runner of the first class come to scratch in a hard race, as proud of the emblem of his Shop, which he wore on his breast, as

any collegian or club athlete of the winged fist or winged foot or unicorn that served as the emblem of one of the old established clubs, or even the varsity letter itself.

Deep in the heart of every man is the desire for the expression of loyalty to something greater than himself. Too long in the past has the worker, who had to drop his schooling all too early for the hard experience and education of the Shop, been denied the chance to express this loyalty. About the best he could do was to go to the ball park and work up steam over a group of men who were merely hired players from all over the country, meaning nothing to him in his daily life. Today he has the opportunity, in actual competition, to express his loyalty, not merely to his employers but to his fellow-workers—his everyday companions in the field of toil; whether that toil be of the skilled or unskilled variety, it matters not a whit. It is possible to build up a great, smooth and powerful industrial organization without sport, or perhaps it would be

better to say, it has been possible in the past; but that organization has always lacked a soul, just as an army can lack a soul, or a machine-made college football team can lack a soul.

It is in sport that a man expresses himself at his best. He may work for weeks, months, or years, beside another man and still know little of him. But let him once play against him or with him, and the stranger that has been at his elbow all this time is suddenly transformed. Thus men learn to respect each other and to co-operate with each other to a degree impossible through any other medium; thus men learn to respect and co-operate with the whole group of which they are a single unit. And this means team work. This team work, thereafter, is not confined to the field of play. It permeates the Plant itself, and makes for happiness, in work, as in play; and if a man cannot be happy in his work he might as well give it up as a rank failure.

Men in the industries are natural organizers. The very nature of their work plants that seed in them, and it remains for industrial athletics to give that seed a chance to grow. Most of these industrial athletic organizations are practically entirely in the hands of the workers themselves, and they have shown an ability to build up their sport and to stage meets of surpassing interest that has not been surpassed, and, indeed, has not too often been matched, by some of the great universities and athletic clubs.

The spirit is there, in every plant, and so is the natural leadership. All this spirit and this leadership need for proper expression are opportunity and encouragement. The movement is significant and permanent, and it makes for happiness all around. Let us keep everlastingly at it.

(Mr. Reed, who so kindly contributed this article to THE OCTAGON, is Sporting Editor on the New York Evening Post.)

## THE HANDLING OF RAW MATERIALS

By

J. E. ROBERTSON, Yardmaster, Granite City Works

**T**HE handling of raw materials at a steel plant operating four and sometimes five, twenty-five ton furnaces, is one of the main features in Plant operations. It is especially important during times of labor unrest, or at intervals when railroads are not operating and materials are hard to secure.

The most important item in handling raw materials is to unload them as nearly as possible to the point of consumption, thereby saving labor and time of transferring later.

Sand is the largest single commodity used. Approximately 6,300 tons are used each month, or about twenty-five per cent of the total materials used. This material at our Plant is used at two points and a large storage pile is kept

on hand in order not to receive sand in cold weather, on account of its freezing, in which condition it is very difficult to unload. This



Scrap and pig iron bins, Granite City Plant. A. S. F. standard bulkheads



material is unloaded mostly by locomotive derricks.

The amount of coal consumed at this Plant comes up to about 5,800 tons each month. This coal is divided into four kinds:



Shop scrap and pattern lumber storage

No. 1. Screenings, coal used in our boiler-room, which is unloaded from an elevated track directly in front of the boilers. (This material is unloaded by hand on a piece-work basis.)

No. 2. Wash coal, used for our annealer ovens, on wheels, unloaded by derrick into bins close to ovens.

No. 3. Gas coal, used in our gas producers for annealing castings, and unloaded on platforms by means of a grab bucket.

No. 4. Engine coal, unloaded in bins in the yard by a grab bucket and also on platform so that derricks can coal up from that point.

Scrap iron, pig iron, wheels, limerock, rails and fuel oil constitute the bulk of the other materials. This material is unloaded in bins in the yard and later loaded into small boxes on small buggies and delivered to the furnace floor. The fuel oil is pumped into the storage tanks and from there to where it may be used. Limerock is unloaded by hand, or by the use of a derrick, with a bucket constructed with prongs on the blades to pick up the large lumps. These materials are unloaded in orderly piles and arranged so that a charge may be made up with the least amount of switching of the buggies.

Furnace materials and brick are unloaded into covered bins on the furnace platform, in order to keep them out of the weather and close to the point of consumption. This is a piece-work operation by hand unloaders and consists of fluor-spar, magnesite, iron ore, dolomite, ferro-silicon and ferro manganese.

Our furnace charge consists of pig iron, limerock, scrap and rails. This is loaded by hand on a piece-work basis. The buggies are placed alongside of piles and loaded and are then set on scale track where the material is weighed and the proper amount added or subtracted, to bring the charge up to a special schedule. The charge is pulled over the scale by a special pulling device controlled from the scale house, thereby releasing the engine for other use.

Car service is one of the many things that must be taken into consideration when handling raw materials. The cars must be unloaded and released to the railroads within forty-eight hours or car service will accrue on



Material bins and parking space for automobiles, with garage in back

them. The Yard Department is helped considerably in this by the Purchasing Department in that the materials are ordered and delivery specified throughout a certain period.





## PRINCIPAL ACCOUNTING DEPARTMENT RECORDS AND THEIR CORRELATION

By

C. C. JARCHOW, General Assistant to Comptroller, General Offices

THE chart which accompanies this article shows just in what way the Accounting Departments' principal records are related. This it is felt would be very interesting information to all who work in the Accounting Department at the Works and Main Office, as well as to employees of other departments, who may wonder what we really do.

In order to keep the financial records of a concern as large as the American Steel Foundries, with its nine Works, it is necessary to subdivide the books of record so as to facilitate handling them. Each subsidiary has its own complete set of records, because it is a separate corporation or entity. Each of our Works has its Works Ledger and other records. At the General Office the principal record is divided into a Private Ledger and General Ledger so that two men can work at it instead of one.

### Works Ledgers

This record shows the quantity and value of materials and stores on hand at any time, the liability to Head Office principally for materials and stores on hand, the liability for Unaudited Bills or invoices not approved and sent to Head Office for payment and the liability for Pay Roll accrued or wages earned up to the end of any month, which will be paid in the next month.

Cost Account on the Works Ledgers shows simply the total materials used, wages paid and expenses incurred each month in the production of castings, the total amount of which is transferred to Head Office General Ledger Finished Castings Accounts. This can be looked at as though the works were transferring the

cost value of castings made during the month to Head Office in part payment for the materials, stores, expenses and wages paid for the Works by Head Office. The Cost Account reveals only the total cost in amount of castings produced but it is supported by Cost statements in which all phases of cost are brought out.

The information contained in the Works Ledgers is posted to them from Journal entries and reports used as Journal entries such as:

- Invoices and Daily Report of Invoices Approved
- Freight Vouchers
- Report of Corrections on Invoices, Etc.
- Monthly Head Office Letter
- Labor Distribution
- Materials and Stores Used
- Other Charges
- Unaudited Bills
- Report of Inter-works Purchases and Sales
- Report of Miscellaneous Sales

### General Ledger

This record is a sort of assembling ground of information coming from various sources where it is recorded for each Works. This ledger controls various other ledgers and records such as:

- Works Ledgers
- Sales Ledgers (Accounts with each Customer)
- Cash Book
- Audited Voucher Record (Vouchers payable) and others

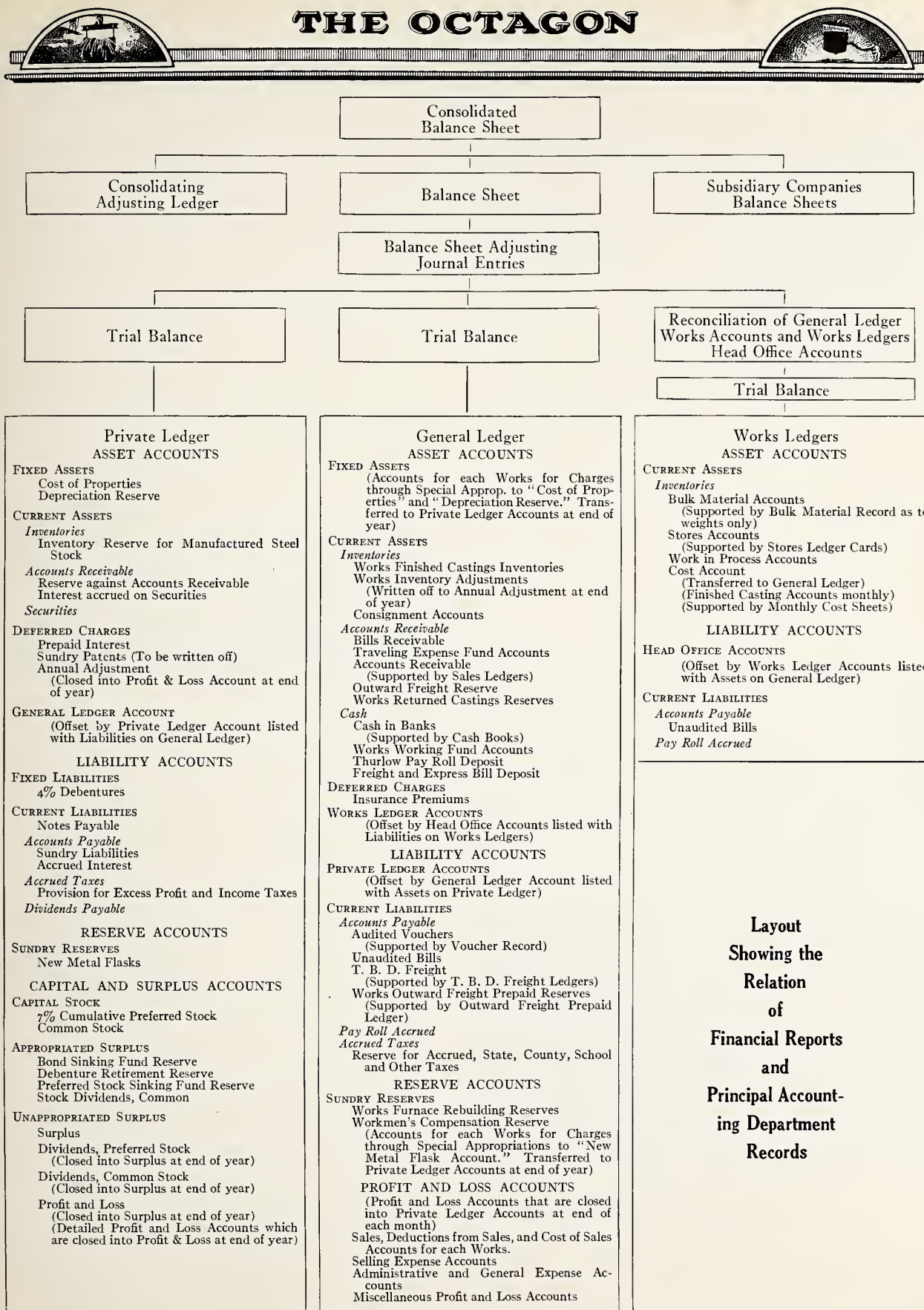
Certain accounts kept in this ledger, in considerable detail, are transferred at the end of each month, or, in some cases, the end of each year, to more grouped accounts in the Private Ledger. Accounts which are transferred are indicated on the chart.

All entries made in this ledger are posted from Journal entries or the Cash Book.

The Cash Book is a record kept by the



# THE OCTAGON



Treasury Department from which the Accounting Department posts to the General Ledger, Accounts Receivable ledgers and Voucher Record.

This article does not attempt to describe the purpose and use of each General Ledger account as such description would necessitate making it very lengthy.

### Private Ledger

This record contains accounts of a permanent character which do not change much from month to month. It contains some accounts which do not appear at all in the other ledgers, as can readily be seen by referring to the chart and looking across it. It is the final controlling ledger, as it in turn controls the General Ledger.

All entries made in this ledger are posted from Journal entries.

### Financial Reports

Financial Reports, such as Balance Sheets and Profit and Loss statements, are prepared by consolidating the accounts of the various ledgers. In consolidating, such accounts as the General Ledger account, in the Private Ledger, and the Private Ledger account, in the General Ledger, offset one another and, therefore, do not appear in any final statements. Assets of the same kind are added together to give the total assets of each particular kind and similarly with liabilities.

There are many complicated adjustments made before a consolidated balance sheet and consolidated Profit and Loss statement of the American Steel Foundries can be prepared, which are too technical to be dealt with in a short article of this kind.

The one big difference between an efficient and an inefficient man can readily be stated in one phase—the former “kills the buck” while the latter “passes the buck.”

No man was ever so much deceived by another as by himself.

Contentment is natural wealth; luxury is artificial poverty.

## THEIR FAVORITE DISH

Mr. L. F. Engleton's (Production Clerk, Indiana Harbor)

Favorite Dish is

### Spice Nut Cake

Which is prepared in the Engleton home as follows:

“Two cups granulated sugar; one cup butter; three eggs (whites beaten separately); one cup water; three large cups sifted flour; two teaspoons baking powder; one cup chopped walnuts, dredged in flour; one half teaspoon cloves, cinnamon and nutmeg. Bake in slow oven from fifty to sixty minutes. This recipe will make two loaf cakes.

MRS. L. F. ENGLETON.”

Mr. T. J. Bennett's (Order Department, Pittsburgh)

Favorite Dish is

### Potato Salad

Which is prepared in the Bennett home as follows:

“Boil six potatoes; cut in thin slices; pour the hot dressing over and let it stand until cold; add two tablespoons chopped celery (may be mixed with potatoes) and one tablespoon of onion juice may be stirred into the dressing after it is cooked. Served in the same manner as meat salad. Sliced boiled beets are sometimes added.

MRS. T. J. BENNETT.”

Mr. Val Schweigert's (Superintendent Bolster Shop, Hammond)

Favorite Dish is

### Lemon Cream Pie

Which is prepared in the Schweigert home as follows:

“Three cups boiling water; two tablespoons corn starch; one half cup sugar; the rind and juice of one lemon. Dissolve the corn starch in cold water and add to boiling water, stirring constantly; then add sugar, lemon and eggs. Beat well and put in tin lined with pie paste and bake.

“(Meringue). Beat the whites of eggs until stiff and add three tablespoons sugar. Spread meringue on top and place in oven to brown.

MRS. VAL SCHWEIGERT.”



Mr. F. Grove's (Yardmaster, Alliance)  
Favorite Dish is

## Date Pudding

Which is prepared in the Grove home as follows:

"To 1 beaten egg, add 1 cup sweet milk, 1 cup bread crumbs, 1 cup sugar,  $\frac{3}{4}$  cup chopped dates, 1 cup flour,  $\frac{1}{2}$  cup English walnuts, 1 teaspoon soda, dissolved in hot water. Sprinkle with nutmeg and steam for two hours. Serve hot with the following hot sauce:

1  $\frac{1}{2}$  cups sugar, 1 cup water, 1 cup milk, pinch salt. Bring all to a boil. Then add 1 tablespoon cornstarch, dissolved in water. Add 1 tablespoon butter. Let all come to a boil. Flavor as desired.

MRS. FRANK GROVE."



Mr. Fred T. Murley, of the Indiana Harbor Works, was born in Hamilton, Ontario, August 27, 1878, and began his career with the American Steel



Foundries, at the age of fourteen, acting as messenger boy. During his twenty-nine years' service with this Company, Mr. Murley has held positions in various departments, as follows, Office boy, in the early nineties at the old Fifty-ninth Street Shop, then Pattern

Storage Foreman, Foundry Clerk, Assistant Paymaster and Head Timekeeper at the Chicago Heights Plant. In 1903 he acted as Supervisor of Orders, Shipments and Sales; in 1904, when the Indiana Harbor Works started, as Assistant Superintendent, under Mr. F. G. Wright; from 1908 to 1913, he had charge of the C. M. & A. shipments, under Mr. Dudley Shoemaker, Works Manager. Fred has many friends, and has ever been considered a "live wire" in the organization. He is married and with his family resides in Chicago. In all outdoor sports at the Indiana Harbor Works, Mr. Murley is an ardent leader, being a good base ball player, clever bowler, etc.

Mr. Frank Chandler, seventy-one years of age, has the distinction of being one of the first men employed by the old Simplex Railway Appliance Company, when it started operations, which means that he has been with the Company twenty-four years. At one time he worked on the bull-dozer in the Bolster Department at Hammond Works, and then became Day Foreman, but for several years has served as Watchman at the East Gate of the Works. Mr. Chandler has always proven himself to be a steady, willing and conscientious worker, which probably accounts for the fact of his being so young for his age. He has a wife and nine children and a number of grandchildren.

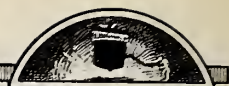


Messrs. Michael Skomel and William Seydlar have worked side by side in the Metal Pattern Shop at Granite City for years. We might explain that Mike and Bill are brothers-in-law, Bill having married Mike's sister many years ago, when they were living in a little village in Hungary. In the accompanying picture Mike and Bill are at work on a jolter base. They are considered among the best workmen at Granite City, and Alex Fisher, Assistant Foreman of the Metal Pattern Shop, says he doesn't see how he could get along without them. Both these men have worked hard to master the English lan-



guage and have succeeded. Mr. Skomel has been connected with the American Steel Foundries five years and Mr. Seydlar, eight years.

Be not simply good—be good for something.



Vol. V

June, 1921

No. 18

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employes of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

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H. R. McCoy . . . . .	Granite City
J. McCLUSKEY . . . . .	Hammond
L. F. ENGLETON . . . . .	Indiana Harbor
J. B. DAVIS . . . . .	Pittsburgh
A. E. MOSES . . . . .	Sharon
D. T. STERLING . . . . .	General Offices

## The Problem of Waste

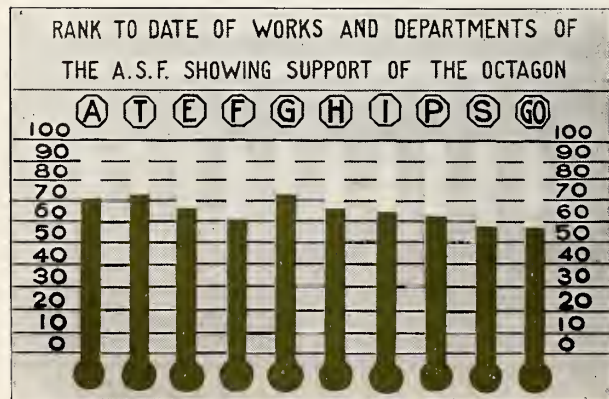
Waste is one of the problems that the larger industries have had to solve since their inception. In a plant that employs only from twenty-five to fifty persons, the waste is negligible, while in the larger industries, it increases in proportion to the number of employes and the amount of material handled and used. For some unknown reason the employes of a larger concern fall into the habit of wasting materials and mistreating tools and equipment, due in a measure, to the supervisory head and his assistants, if this carelessness is allowed to exist for any length of time. The small items of waste, in time, material, and power, amount, in a year's time, to an almost incredible sum of money. No better examples of waste have been offered than those of the Works Council which so ably depicted this problem in the cartoons and statistics shown on the inside cover pages of recent issues of THE OCTAGON. The worker who will not bother to pick up and salvage small items, such as nails, screws, rivets, bolts, small fittings, chaplets, shovels of coal, of sand, fire clay, pieces of silicon, ore, manganese and other small articles, has committed willful waste. Another and important branch of waste or leakage is that of light, power, steam, water, gas and lubricants. The waste of gas and oils is a large item, due to unnecessary burning of gas and over-lubrication of machinery. Careless grinding of tools, cutting of wire, iron, cable, rope, etc., longer than the required measurement, is another form of waste, and last, but not least, the waste of time, oftentimes due to inefficient executive force in the individual departments. Every worker, who reduces to a minimum all possible waste, helps to place his firm in a financial condition to assure him of continuous employment, and better able to cope with competitive industries in the ever-increasing race for trade.

(W. J. Hess, East St. Louis.)

## An Alliance Workman's Idea

How often it happens that the man with the overalls has the winning idea? An illustration in point is an improved cross bar on racks for handling flasks from Molding Floor to Pouring Floor. On account of peculiar limiting conditions several devices have been tried, none of which filled the bill. Schemes were presented by different Works members, but it remained for the man working with the job, Mr. Duytschaver, a Molder Foreman, to suggest the best scheme. It was tried out and worked so well that it will be adopted for all future racks. It will eliminate the burning of holes in the side rails and prevent a dangerous condition. Mr. Duytschaver had the co-operation of the Engineering Department and others to bring this idea of his to a successful conclusion.

(H. E. Wheeler, Alliance Works.)

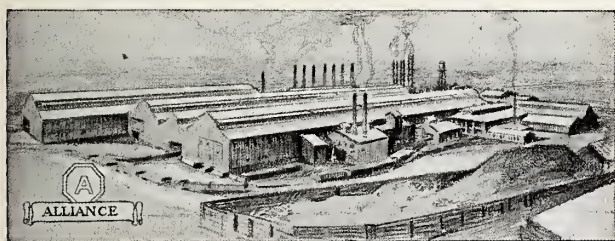


From the inception of The Octagon to June 1st





# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

As a result of the last meeting of the "Perkins" Club, Vernon Pittman has been buying his cigarettes at the Grocery Store. It is rumored that the boys played poker.

Russell Wilson, Special Clerk, is able to be with us again after having spent a time in Mercy Hospital at Canton. Glad to see you back, Russ.

The Cleanup Committee made their rounds of inspection on May 17th, and the Yard Department was again pronounced the cleanest department. The Furnace Department was shown to be the dirtiest.

Our C. & M. Clerk, C. C. Taylor, has become a salesman. He has been whispering in the ears of quite a few boys lately. Looks like Kirk is trying to pick up a little extra change to see if "two can live as cheap as one."

Julius Sloan, Yard Clerk, can be seen driving the old mule around the Yard, and from the way we have seen him handle it, you would swear he had received his early training as a mule skinner in the Army. (Accept our apology, Julius, we did not mean to insinuate after seeing your war record.)

W. C. Brown, Draftsman, recently brought a few samples of tulips to the Office which we believe stand in about first place. They stood thirty inches from the ground before being cut. Have we any opposition?

We have frequently heard of "Castile" soap, but the soap of Dan O'Connor, our South Gate Watchman, must be the other kind (cast-steel) for he proudly exhibits a cake, which he says one of the boys from the Shop gave him before the War, and still good for further service. We don't know if using one cake of soap for four years is a thing to be proud of, but we take it for granted there is not much dirt down around the South end, since we have noticed lately a sign there that reads, "This is the Cleanest Department in the Plant."

We have noted everyone who owns a machine is getting his tuned up for the summer (belated) driving. We advise all to stay close to Alliance, as driving to Franklin is not pleasure but work. For further information on this, see Mr. J. E. Wagner.

The accompanying photograph is of Mr. Duytschaver, who furnished the idea for an improved cross bar on racks for handling flasks from Molding to Pouring Floor, reference to which is made on the editorial page in this issue.



Mr. Roy Funkhouser and brother, Elmer, who live at Beechwood Heights, near here, recently took Messrs. V. J. (Slick) Packer and Howard Pearsol, of this Works, to a frog hunt.

For some time past, the C. & M. Department has been experimenting on a new system of running the draw bars through the chippers. That their efforts have not been spent in vain was demonstrated in a recent test, when a total of 901 Draw Bars were run through fifteen chippers, 603 of these being of the Type "D." Formerly a good average for the same number of men was 700. The old system consisted of working two chippers to a gang, one man chipping



the outside of the bar and the other the inside. Under the new system, each man works by himself. After the outside men finish their part of the work, one intermediate man is employed, whose duty it is to take away their bars and up-end and line them up for the finishers. The finishers do no other work but handle their pneumatic hammers. On the day that the above results were obtained, there were thirteen outside chippers. The two finishers employed at that time were George Rumbo and Domenic Machetti, who finished a total of 603 Type "D" Bars in a period of nine hours.

At the last Goompf Club Dance, held in Ell-Mac Hall, eighty couples indulged in the light fantastic to the strains of Jimmy Temple's Variety Five Orchestra, until 12 o'clock. (About 11 o'clock, however, Mr. Pietrich, prince of Alliance's Mounted Police, made his appearance, informing the Committee that the hilarity was such that residents within yelling distance could not get their rest. After administering the prince a shot in the arm and a little laughing gas, he silently faded away, and all was serene and peaceful.) During the intermission ice cream and lady fingers were served, and the punch-bowl was in constant use, but none was found who had indulged too freely. The Committee in charge of the dance are to be congratulated on the way the affair was carried out.

On May 13th, "Stunt Night," which was the third affair held by the Works Council here, was a howling success, practically 460 persons being present. Stunts were many and varied but space forbids their mention in detail until the July issue. A prize to the department for executing the best stunt was a loving cup, presented this time to the C. M. & A. Department for their buck-and-wing dancing.

Mr. W. Jansen and Mr. A. Walcher, Assistant Fourth Vice Presidents, made a visit to our city recently, and during the course of events sojourned out to the Country Club in high spirits, with E. P. Kinne and others. The sky showed signs of being rather porous but these gentlemen minded not—or did not believe in signs (use your own divinations) and fared forth to the first tee. The battle waxed warm at the third hole, when of a sudden the heavens opened up and the aqua pura did come forth in copious style. Picture for yourself, four gentlemen in shirt sleeves, etc., but with no other protection but golf bags (and whoever could imagine A. W. and W. J. getting in a golf bag), defying the elements. To make a long story short, these men tarried a bit, then beat a hasty retreat to the Club House, thence by Ford to the Hotel Lexington, where the real fun began. It seems that after trying numerous dry cleaning and pressing establishments, none of which catered to the "wet-wash" variety, a young man from the Alliance Plant got



The Elements won the 18th.

the sodden trousers, brought them back to the Plant and hung them near one of the Open Hearth furnaces, where after using considerable fuel oil, they were ready for the sad-irons. The evening "Scandal Monger" stated that there was much confusion during the last act of the play, on account of lack of wearing apparel, but in due time the revamped raiment made its appearance and everything was lovely.





## Chester

Miss Mayer, our nurse, recently became the bride of Mr. Gurnsey Gray, brother of Dr. S. P. Gray, Works Physician. They were married in New York City and remained there during their honeymoon. Mr. and Mrs. Gray received many handsome gifts and wish to take this occasion to thank the members of Thurlow Works for the beautiful presents coming from them.

Jim DeFarge and John Boyle have returned to work at this Plant as electricians.

J. C. Bergan is now Production Engineer at this Plant.

Thomas Morrallee, Oil Pump House Man, deserves a great deal of credit for his gardening and keeps the immediate vicinity of the Pump House and Dispensary always looking neat and fresh with flowers in bloom. Tom also furnishes plants for the Foremen's dinners, etc.

Johnny McNicholas claims that Ike McCluskey will never die as long as Jack McAllister is alive. This is a little too deep for us, Whitey, let us in on it?

A delightful reunion was held last month of all the girls employed, past and present, at this Works, and a delightful time was had by all. During the evening a shower to Mrs. Gray (formerly Miss Elizabeth Mayer, nurse) was included. The following girls were present: Misses Laura Dougherty, Katherine Hodgson, Madeline Friel, Anna Groff, Gertrude Whittle, Margaret Whittle, Margaret Allen, Lena Barnes, Jennie L. Campbell, Julia Callaghan, Virginia Walls, Ruth McGurk, Elizabeth Mulligan, Ruth Corbett, Wilmot Smedley, Margaret McClay.

Clem Morgan, Safety Inspector, has taken up the raising of chickens for a pastime and every day, instead of Safety and Baseball, we now get a line on Rhode Island Reds, Plymouth Rocks, methods of feeding, raising young chicks, etc. The other day Clem came in with a line about how he set fourteen eggs and got out fifteen young chicks, and is now busily trying to explain this phenomenon.

Bill Brown, Asst. to the Works Manager, is patting himself on the back for his ability as a musician. Bill's musical talent certainly got him out of a strong initiation when he joined "Noah's Ark."

Dan Jackson, Storekeeper, is wearing the smile that won't come off. But if you had a nice bouncing baby girl arrive at your home, wouldn't you smile, too? Mrs. Jackson was formerly stenographer at this Plant.

It is now open Season for the Fishing Bug and we would advise a certain Don Grady, one Order Clerk, to procure himself a bass rod and reel, as his name has been crossed off the credit side of several of his friends' ledgers. Doc Gray and Dick MacDonald may frequently be seen in secret conclave planning to woo the wily bass from its favorite haunts.

Clem Morgan, Safety Inspector, is developing into quite a landscape artist and can daily be seen beautifying the architecture around the Yard and other parts of the Plant by the use of a little paint.

Pop Stouts, our very efficient mail boy, is raving and praying that things will get busy again very soon and that we will have Clayton back once again.

Thurlow Plant is all dolled up and has been ever since the last inspection, and, at this writing, has great hopes of winning the Award for Good Order.

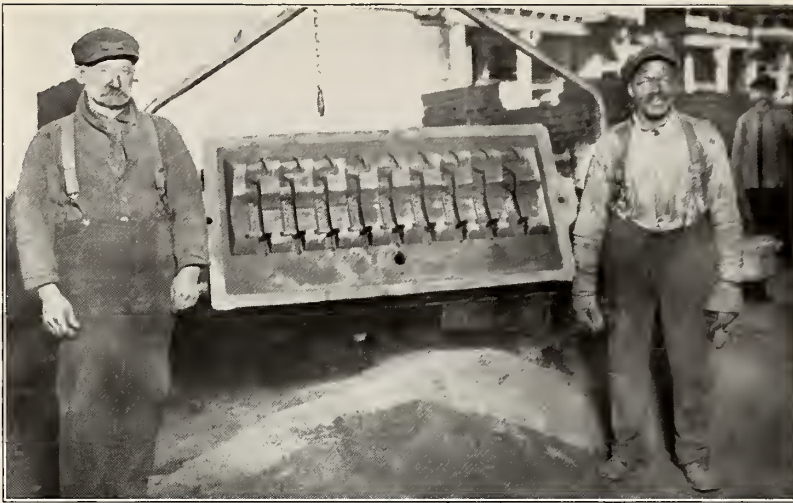
Another entry in the Chief's Girl Book—Oxford, Pa.

Jim Grace, No. 2 Foundry, is out again, after being confined to his home with a bad knee, due to an injury sustained playing basket ball and soccer last Season.



G. Morgan, Assistant on Steam Hammer, 21 years' service; W. Cornag, Blacksmith, fifteen years; T. Leonard, Steam Hammerman, six years; D. Garvey, Chainman, 8 years; F. Cloud, Chainman, 19 years; J. Schulthice, Blacksmith Helper, 14 years; M. Jones, Blacksmith Helper, 15 years; and A. Groff, Blacksmith, 3 years, Chester





Ed Atkins, 29 years' service, and M. M. Moore, 25 years' service, Molders at Alliance



Wm. Schmeir, Scaler, 4 years' service; Wm. Evans, Shipping Clerk, 17 years; A. Eggherman, Bill Clerk, 1 and A. Koch, Asst. Shipping Clerk, 4 years, Indiana H



J. Walter Smith, Tool Dresser, 19 years' service, and C. Gross, Helper, 6 years. East St. Louis



Safety gates protecting the tracks at Sharon



John Baters, Molder, 2 years' service; E. J. Flynn, Molder, 14 years; Wm. J. Odum, Asst. Foreman, Molder, 20 years; W. F. Lang, Foreman Molders, 32 years; Pete Movetti, Finisher, 12 years and Johnnie Lucas, Laborer, 1 year, Alliance Works



Harry Greve, 11 years' service, Yardmaster at East St.





Foster, Melter, 20 years' service; Harry Lewis, Truck  
ver, 5 years; Robt. Shaw, Asst. Wks. Auditor, 5 years;  
Wm. Brown, Asst. to Works Manager, 5 years; H. W.  
Eyre, Secy. Works Council, 2 years, Chester



Walter Wurderzienski, Julius Kotkiewicz, 4½ years; Tony Monchunski, 14 years; Kasper  
Wisniewski, 5 years; Wladesla Grabowski; Paul Sidari, Tony Sedar, 2½ years, Chippers  
and Air Hammer Men at Pittsburgh



Barney Conrath, 15 years' service, Engr. of Tests,  
at Hammond



John Buergin, Machinist, 1 year's service; Franklin Smith, Derrick Operator, 21 years;  
August Ortman, Asst. Master Mechanic, 3 years; and Art Prout, Master Mechanic,  
1 year, Granite City Works



View Open Hearth Furnace, showing Annealing Pot in  
Foreground



L. Bell, G. Hiet, R. Connor, J. Hammock, W.K. Moore, 3 years; W. Beck, 5 years; G. Pirone,  
F. Leonard, 2 years; and Wm. O'Hara, Foreman, Electricians at Granite City



Joseph Rafferty, who was formerly employed at this Plant as Pattern Foreman, has accepted a position with the Edgewater Steel Co., at Oakland, Pa., with Mr. D. W. McGeorge, also formerly connected with the American Steel Foundries. Mr. J. A. Watson, former Superintendent here, is also located at the same Plant.

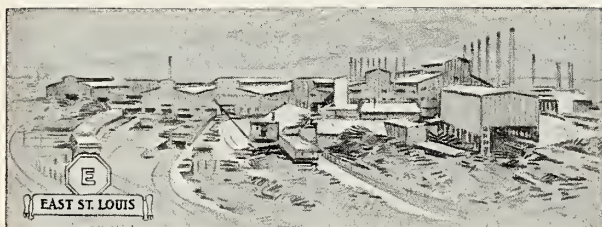
Thurlow certainly takes the prizes on twins, as the photographs of Carl and Roy Butler's children will testify. So far no other Plant has shown any photographs of twins.

A Blue Rock Gun Club is being organized at this Plant and will shortly issue challenges to other Clubs in this District and also to the other Plants of this Company. These shoots can be arranged by having a certified Referee and mailing the results.

R. E. Power, Mechanical Engineer, who formerly resided in Montreal, Canada, has secured a home on Highland Avenue, near the Plant.

Ben Price, former Open Hearth Clerk and silver-tone tenor supreme, made quite a hit at the C. T. A. Minstrels the other night.

Dan Jackson, John Watson and Dick MacDonald, who generally follow the ponies pretty closely, got their usual cleaning up at Havre de Grace this Spring.



**East St. Louis**

It is very interesting to see Miss Mabel Reuckter respond to the name "Bright Eyes," when a telephone call comes in. Evidently some one who telephones her has the privilege of using that name.

Mr. Charles Plesse, Cashier, has been handling the Commissary for the Dining Room and Cafeteria lately. Charlie looks like a real butcher, with his white coat, cap and apron.

Shorty Owens spends his Saturday afternoons in the junk yards, looking up second-hand tires for his 1776 Model Speedster.

Alex Smith bids fair to surpass the record of Babe Ruth in the matter of Home Runs. Each noon finds several more notches out in his bat.

Mr. F. H. Elam, Manager, Casualty Department, Mr. Davidson and Mr. H. E. Wheeler, Works Engineer, Alliance, and Mr. Strumpf, Master Mechanic, Indiana Harbor, were visitors here recently.

"Wanted: A Self-stopper—O. E. Mount, Works Auditor, East St. Louis Works."

In order that the readers may understand just what is wanted, we might explain that Mr. Mount has been in the habit of starting his car each morning by pushing it down a hill. On one morning in particular, he left the machine in gear, and experienced considerable difficulty in catching up with the car and stopping it before any damage was done. From the statement of witnesses to the races, Mr. Mount must be quite a marathon runner.

From the expression on Charles Hudson's face, we do not know whether his recent arrest for parking too long in the downtown district, or his losses in that noon-hour game, are worrying him. Speak up, Charlie.

Anyone desiring to know whether or not Mr. P. J. Dooley, Brickmason Foreman, can lay brick should inquire of Messrs. F. Gilbert and J. Smith, Foundry Foremen who have been assisting Mr. Dooley on the furnaces.

It won't be long till Ed. Smith will be bringing us samples of frogs of his own gigging and Harry Simmons will be telling of the big ones that got away and Harry Bertschman will be spending his Sundays at Chouteau Slough.

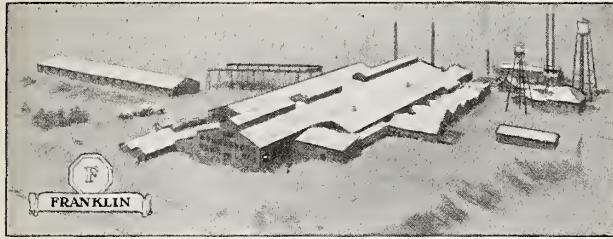
Mr. J. C. Kistner, Machine Shop Foreman, is contemplating the purchase of a gasoline destroyer. Go to it, Joe. With your ability to make things hum, you should certainly get the Ford.

Mr. Reiner reports it very lonesome at the Dispensary gate. Since the Nurse has left, Mr. Reiner reports that no one comes to visit him at all.



**John McAuley, 21 years' service,  
General C&M Foreman,  
East St. Louis**





## Franklin

Doc Cribbs enjoyed two weeks of "bachelor paradise" during the absence of his wife and son, who visited relatives in Pittsburgh and vicinity.

The pleasantest thrill bar none, is to find a dime in an old pair of trousers.

W. D. Elliott, Night Watchman, received a visit recently from his son who is in the regular Army, stationed at Hoboken, N. J.

Now that Baseball Season is with us, George Norton is anxious to get a ball in his hand and pitch a few over the plate. George has been and still is, a pitcher of no mean ability, having played on some teams that would have done credit to the Major Leagues.

It is rumored (and seemingly, with much authority), that a pole cat (commonly called a skunk) has taken possession of the welder house in the Cleaning and Finishing Departments and holds this place against all comers. This fact is borne out by the testimony of all employes, and Chick Singleton, in particular, but we all hope that Mr. Skunk will make his visit very short, in fact, we will help to shorten it if he comes out from hiding.



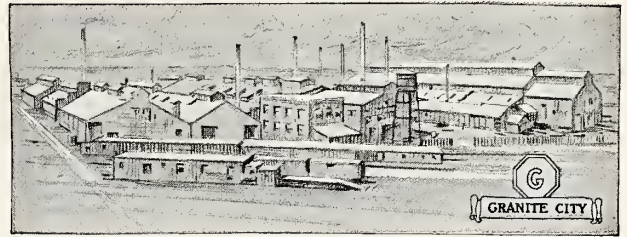
V. J. Myers, Metal Pattern Maker, 5 years' service at Franklin

Ira Jones is still plugging away on one shift of the boilers. Although Ira is seemingly contented, he doesn't have much to say and we sometimes wonder if he could be anticipating the joy which he will have when his home brew has aged enough.

Larry Reese says if you want to buy a real automobile to see him and get an Oakland Six. In addition to being a six cylinder car, Larry says there isn't

enough mud in the country to stop an Oakland, and the best part about the statement is that we were along him with him and agree with him.

The inventory of Patterns is progressing much more rapidly, now that all car loads of bulk materials have been shipped complete. Charley Richardson, Bennie Karns and Chick Singleton, who are securing this inventory, are confident of completing it at an early date, provided, of course, a substantial decrease takes place in the number of patterns shipped from time to time.



## Granite City

Mr. Henry Fechte, Assistant Works Auditor, has taken the advice of Mr. Harry Olden and has planted a number of beautiful flowers in his garden.

Mrs. Jennie Risk, the nurse from East St. Louis Plant, has been added to our Dispensary Staff.

Mr. Wesley Koenig, formerly connected with the Yard Department as Switchman, is now employed at the Plant as Garage Man.

Another furnace added May 2nd, 1921, has made our Employment Office work overtime.

On May 2nd, a baby boy, Ernest Leroy, arrived at the home of Mr. and Mrs. J. M. Cameron. Jim Cameron is a member of the Wheel Pouring Dept.

In a former issue of THE OCTAGON we told about Frank Rotter's three children, whose initials are E. B. A. Since that time Mr. Rotter has had another addition to the family and many of the boys in the Machine Shop have been wondering whether he will name it Albert, as a good start for A. S. F. However, upon inquiry, it has developed that Mr. Rotter's boy will be named *Lester Francis*.

R. Hopkins, of Oklahoma, was a visitor at this Works recently. Roy was employed at the Granite City Plant prior to 1919.

Walter Griffin and his champion rail cutters are back with us again, working off some of the surplus fat that accumulated in the last two or three months. It sounds like old times to hear the tune of the sledge hammers.



**Jimmie Norwine, Asst. Fdry. Foreman, Granite City Works**

sure pitch horseshoes. The latest at Granite City is the Magnetic Pegs.

Messrs. Hancock and Vielcheck are proud of the condition in which the drop has been placed. Everything has been cleaned up so well that visitors are requested to clean off their feet before venturing close to this section of the Yard.

Tom Tyler, of the Yard, has so many jobs that he carries a list and a checking pencil so he will not forget any of them.

We have an undertaker and doctor on our night shift. The other evening as the Doctor made his appearance in one of the offices, he seemed to be gloomy and friend undertaker said, "Do not feel out of sorts, for I will bury your mistakes."

Jimmie Norwein and Carl Graf of the Foundry were seen working out an inclined plane experiment in physics. They were pushing Jim's car down a grade trying to get it started.

Someone ought to erect a filling station on "C" St. for the benefit of Lon May, so that he don't get stalled on his way to work.

At a recent meeting of the Royal Order of Fleas at the Granite City Plant, it was decided to prepare a series of printed forms for use in the club. A very attractive membership card has been devised and also a splendid application blank.

W. C. Engleman, Assistant Storekeeper, has a little traffic truck.

Question of the Hour: "Where does Mr. Young, of the Wheel Department, get those cute Rompers he wears around the Plant?" By obtaining this information, it will mean a good business for the firm who sells them, for every one is remarking on the comfort and style of his get-up.

Since Harry E. Miles and wife have resumed housekeeping, they make their home in Nameoki, Ills.

A number of our workmen were judges in a beauty contest, which was recently held in a St. Louis Theatre, among them being Mr. C. Doty, our Brick Mason Foreman.

W. Daugherty has returned to work after several weeks' absence. Bill's home was quarantined while several members of his family had smallpox.

We have been informed that George Coke, one of our Works members, has been elected a Justice of the Peace.

Walter Griffin and his crew of rail cutters have been breaking rails in the Yards for the past few days.

Mr. J. E. Graham, formerly connected with our East St. Louis Plant, as Assistant Chief Inspector, has been transferred to our Plant.

Our handball court, which is located near the Main Office, was flooded with water after several days of rain. Some joker put this sign up, "No fishin' Aloud."

Messrs. Walter Brauer and Charley Russ, two of our Night Owls, are back on Day turn in the Foundry, for the first time in three months.

Frank Rotter, of the R. & M. Department, now resides in St. Louis—says he can save money on carfare and rents there as compared with Edwardsville.



**H. R. McCoy, Associate Editor, 6 years' service at Granite City**



Mr. P. J. Ward, Works Manager, East St. Louis, on his last visit, paid particular attention to our record-breaking furnace, which produced over 470 heats in one continuous operation.

Harry Clark, Wheel Reclaim boss, is now with the Night Shift, as Wheel-spinner and Reclaimer.

Joe Straubinger, of the Shipping Department, recently lost his meal ticket, but it was restored to him within fifteen minutes. Another case where speed and honesty were shown.

No. 2 Furnace is being torn down and will be rebuilt shortly.

George Robinson, Railman, Wheel Department, recently joined the Masonic Lodge. George must have ridden a lively goat, for he lost two days' time afterward.

Our old friend Charley Druall has returned to work.



## Hammond

Mr. Joe Creech has returned from his vacation after spending two weeks in the outskirts of St. Louis. Like all fishermen, Joe had some great stories to relate to the boys; but that's all; he forgot to take his kodak along.



Ruth Gordon, daughter of Robert Gordon Carpenter Foreman, Hammond Works

Ruth Gordon, daughter of Robert Gordon, Boss Carpenter, won third prize of \$100 in the recent Indiana Beauty Contest. They were judged, not only for looks, but height and weight.

A sad little by-play takes place most every day, in the run of human events at this Works. Mr. Mulligan, Yardmaster and bachelor, takes the street car a block away, usurping a seat (which, from the accompanying cartoon, is no effort), then when the car stops in front of the office, Bess Fagan, Clerk in the Accounting Department, boards the car, occupying whatever portion of the car seat she finds vacant.



A new cylinder has been installed on our pump, after causing the shop to hustle water in buckets for two days recently. It reminded one of the "circus days" shagging water for "Jumbo," meaning a full ticket to the big show. "The days of real sport."

Roy Shortsleeve, Foreman of the Coil Department was ill recently but has returned to work.

The Stores Department is blessed with a "Son of the Sunny South," who is always boasting of the land of eternal sunshine, inviting wagers that all tropical fruits, such as cotton, rice, potatoes and moonshine are in full bloom there as early as February (we have no doubt as to the moonshine). Recently this said Southern Son made a trip home, leaving perfect weather behind him, plenty of sunshine and tropical fruits (of course one has to purchase the fruit at the store, but we have it). Arriving at Memphis, he was met with a big six-inch snow and the above mentioned tropical fruit turned out to be snowballs. Since then, if you want to insult this gentleman (his initials are T. J. J.) just mention the Sunny South. One trip back there converted him to a Northerner. There is nothing peculiar about this, though, as he is only following the example of many other transplanted Southerners.

You may bank on our Jane keeping out of the rain —  
She requires no wise person to tell her;  
By her plumage made vain, to Jane all the same  
Is anyone's old umbrella.

Whenever it's wet, you may make a safe bet  
If your stick from the rack should have gone  
That Jane is all set, for she's never failed yet  
To secure for herself any one—

It looks like C. G. Kingwill, Supt. of Orders and Materials, is going to neglect city politics for his new fad, a kodak. Every so often he is seen grouping Simplex members for pictures. We are waiting patiently for results before passing on the success of this new pastime.

Mr. August Riechers not only doled out samples of his grape product, but on trimming his vines this year, brought an armful of shoots to those interested. In the next seven years, we may be able to have a celebration.

The resignation of Wm. C. Guthzeit, General Foreman of the Brake Beam Shop, also E. B. A. Trustee, has caused the following changes: Mr. J. Hartman has been promoted from Assistant to General Foreman, Mr. J. D. Shipley, to Assistant Foreman and Mr. A. C. Korne, Loader, to Foreman for Hercules Beam Department.

"Reduce, if you want to ride," is the future slogan of the Simplex Chauffeurs, owing to the following peculiar co-incidences. Mr. R. D. Pettit invited Mr. A. H. Peycke, Manager of the Brake Department, to ride into Chicago with him, and a tire blew out. Later, Mr. Sparrow, Master Mechanic, suggested that Mr. Jim Mulligan, Yardmaster, ride with him to Chicago, which ride cost him two blow-outs. Then Mr. Milton Pfau, of the Brake Department, invited the JINX to do his worst by taking Mr. Mulligan to the city, and received the same luck as the forementioned gentlemen. We suggest that Mr. Mulligan make use of the locomotive crane in the future.

A portion of the west wall of the blue-print room has been torn away and five windows put in the space. Also the fence on the south side of the Plant property has been put in good condition.

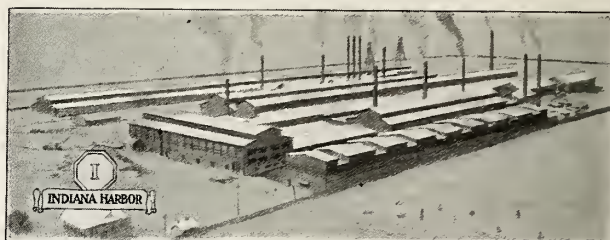
Miss Alice Kummer, Stenographer in the Accounting Department, was married last month to Mr. Herman Dedelow, in the Emmanuel Evangelical Church at this place. Congratulations, Alice.

Mr. George Engleman, Storekeeper, has had his muchly discussed Pullman automobile painted and a new top put on it. (Mr. Thomas Ryan, please take note.)

If seed and careful working mean anything, Simplex Works is going to have a real garden this year. Joe Pin, our gardener, is sure to produce fine results in this venture.

Bess Fagan, Clerk in the Accounting Department, is now relief telephone operator.

B. J. Riordon, Blue-print Checker, after a siege of pneumonia, is back again at his desk. Harold Ohr, Cost Clerk in the Clasp Brake Dept., was also ill a few days but is again at work.



## Indiana Harbor

The Plant would like to sign up a few "female" ball players in order to complete our "Bloomer Girls" team. We have several young ladies who, through continuous practice have developed into real stars. Our proposed line-up, to date, is:

MISS RAE EVANS	Pitcher	Think it over girls and hand in your name. NOTE: Age is not mentioned in contracts.
MISS HATTIE KOCH	Catcher	
MISS RUTH BERGMARK	1st Base	
MISS WILHELMINA HOFFMAN	2nd Base	
MISS BERNICE LIPNER	Short Stop	

Some one suggested "Jack" Flanagan to remove his "cheaters" while umpiring the ball games, because he is far-sighted with them on.

It was the night before pay day,  
How quickly time flits;  
Not a dollar was stirring  
Not even two bits. (W. J. G.)

The ten o'clock Coffee Club met in "Dad" Voight's tavern the other day, to participate, as usual, only to discover someone had removed the percolator from the pot, and broke up the party. What happened to that "Woolworth Lock?"

Fred Farish rises to ask why the universal demand for black paint? Since the receipt of a small supply of black, this shade seems to have become the official color at the Works. We suspicion that some of the boys are painting the coal piles—"Black."

No. One Pattern Shop is very proud of the new "Dish Cart" recently turned out for the Dining Room. A motor attachment, with Todd or Major, as Pilot would make it a regular acquisition.



"The days of real sport" were brought back to life on May 15th, when the Indiana Harbor Works celebrated its first old-fashioned basket picnic at St. John's, Indiana. The good country air encouraged an appetite for those good home-made sandwiches, pies and cakes which were served at about 12:30 o'clock, both in the dining room and in the grove. It reminded one of the old days—plenty of can-rushing. And everybody had plenty to eat.

After lunch, came the athletic events as outlined by the Sports Committee; first, the Ladies' Baseball Game, staged on a cute little diamond. The way the young and old girls hit the ball and ran the bases was surprising, and the contest resulted in a tie score. Next came the Married Men's Ball Game, which was a hot contest. After five innings, time was called and the smokes were passed to both losers and winners. Then the married men gathered for the 100-yard dash. A pistol shot was enough for most of the soldiers. Prizes were awarded to all the winners. Our Single Men were next on the program. This was also a 100-yard spin, only the young fellows did not show their expected speed. The Married and Young Ladies were successful in their races, but the judges awarded only those ladies who had enough wind. Dancing, singing, eating ice-cream cones, swinging and "Danville Croquet" took up most of the remaining time, until the final roundup of the kiddies in their 50-foot running test, which was the fastest group of the day. The first boys and girls entered were three to six years; the next, six to ten; and the next, ten to fifteen. Pretty gifts were presented to the winners.

Bill Parker wore his brand new "Kantripems" and reports same as ideal picnic pants.

Mrs. F. Taske lost the balloon contest by one blow.

Who said Joe Creech never saw such large cones?

Did you notice Mrs. Rintz when Martin used his knife?

Charlie Greiser was the "Big Noise" at the piano.

What race did Mrs. Engleton take part in?

Mrs. C. B. Johnson has protested the game because she lost her footing.

Gus Dixner acted like a real announcer with the "derby."

Mrs. Osman carried home one of the prizes. "What race was that?"

Bill Grebe was the original chaperon for the city folks.

Leo Engleton copped the berries in the married men's dash.

Mrs. Voight played safe! Good for her.

Harold Wallis has developed into a first-class nurse. Who's who?

Who had the largest balloon? Ask Mrs. M. J. Fetten; she knows.

Bill Schmier took the single men for a run and won.

Mrs. Getty enjoyed the dance floor. Al said so.

Bill Fetten carried off the second prize in the married men's race. (He can blow himself now.)

How many cones did you say Ruth Bergmark had? (No.)

Mrs. Moss impersonated "Bambino" at the ball game.



No. 1 CM&A Dept. C.: Fires, Asst. Foreman, 6 years' service; H. Charlson, Foreman, 10 years; and H. Lanyon, Asst. Foreman, 2 years, Indiana Harbor

"It's an ill wind that blows nobody good"—was exemplified in the case of our good natured Special Apprentice, Mr. James Dickey. During the progress of the general cleaning up and painting campaign, he helped out at No. One Pattern Shop. He was assigned to painting the iron-truss work and was certainly a revelation to the rest of the gang. The human fly has not a thing on Dickey boy. Oh ladder!—he was standing on empty air most of the time. His aerial stunts were marvelous and daring. We predict either a long and brilliant career for him with Fells-Sloto Circus—or an untimely end.

Word has been received from Mr. Hugh Dugan, formerly a Special Apprentice, that he is improving in health. He is now in Asheville, N. C., and the Plant hopes for his complete recovery very soon.

"Jock" Scholes, Molder, has resigned his position during the slack period and is now employed as floor walker in "Carson's" basement. The boys are pleased to hear the news and have promised to pay him a visit when time presents the demand for Toilet Water, Vanishing Cream, Olive Oil, or Bay Rum.

# THE OCTAGON

"You know what I mean" Kelly, has accepted a position with the South Shore Power Boat Club in Jackson Park.

Mr. Louis Sneidt, of No. One Pattern Shop, has resigned. Good wishes of his associates go with him in his new venture.

Anyone wanting inside "dope" on the stock market, please consult Stanley Lind, or if you have a good "proposition" see Morris Cohen.

Mr. John J. Porn, Foreman of the Molding Department of the Indiana Harbor Works, one of the oldest employes of the American Steel Foundries, has passed away after a siege of illness covering a period of almost one year. To the boys in the Shop he was only known as "Knuckle Jack." He received this title years ago when he was employed at the old Fowler Foundry, under the guidance of Mr. Frank Wright. At that time he specialized in making knuckles. He began his services with the Sargent Company, located at the Fifty-ninth Street Plant, finally moving to the Indiana Harbor Works—this representing more than twenty-five years' service. Mr. Porn was born in Germany, April 21, 1874, and is survived by a widow and four children. He was a charter member of our E. B. A., enrolling Aug. 21, 1911. The entire Plant extends its deepest sympathy to his family in their bereavement.



**Pittsburgh**

Allison went to the Shriners' Circus, when it was in town, and spent five dollars to win a fifty-cent doll for his little daughter Evelyn.

There are some artistic clay artists on the Dry floor. The other day Andy and his concertina, John, and his "home brew" outfit and several others, were represented in miniature clay form. And they were recognized as fine likenesses.

Our Pattern Foreman is wearing a very pleasant smile lately, and Lew says his labor troubles are ended. Yes, he is the father of a 10-lb. boy.

The "8:30 Club" gave their Annual reception and dance at the Garden Parlors, Northside, Pittsburgh where an enjoyable evening was spent, because everything, the weather, the music and the crowd, was just right.



**A group in the Foundry at Pittsburgh**

"Red" Tuckey is pushing himself to the front at the dance halls in Pittsburgh. Some of his grotesque movements can be seen in such steps as the Camel Back, Alligator Glide or the Cat Step, and what is more, he defies all men his weight with a guarantee that he can make them feel like two cents in ten seconds. Alfred "Ack" O'Neil, too, has become quite an accomplished dancer. However, upon his return from a recent visit to his old home, Franklin, he was minus two teeth, the price he paid for twirling his toes. Cheer up, "Ack," what is \$30.00 to one night's pleasure?

At the Indoor picnic held at the Lawrenceville Branch of the Y. M. C. A., practically 100 per cent of the Pittsburgh employes was present. The entire "Y" was turned over to the A. S. F. for the evening. Bowling Alleys, Gymnasium, Swimming Pool and Auditorium. The program started with a double quartette directed by Mr. G. A. Hein, of the Order Department, who later played and sang for us. Then came an interesting and scientific six-round boxing bout between Johnny Fundy, winner of the A. E. F. featherweight championship, and Harry Haggerty, well-known top-notch "mitt wielder," with Joe Keally, professional Referee, in the ring. After the boxing, Pete Radik and his accordion, which brought an encore. Next, a screaming monologue, "Basket of Chestnuts," delivered by Hiram Cooke, of Squeedunk, Pa., followed by movies, ice cream and cake. It is hoped that we soon will have another such picnic.



"Ack" O'Neil and our dark-haired stenographer have the honor of being the first couple at the last 8:30 club dance and the last to leave.

Paul Borat has returned to work in the Foundry after a four months' spell of illness, part of which time was spent in the hospital. Glad to see you back again, Paul.

Mr. J. B. Davis, our amiable Master Mechanic and Associate Editor, has purchased a new radiator for the Buick. John has had so much trouble that he decided to get a "Davis" radiator, feeling that they should be a little better than the average.

Mr. Walter Everson, formerly crane operator in the C. & M. Department, has opened a pool and billiard room. Walter invites all his friends to call and see his establishment. We are glad to see Walt spreading out and hope he will make good.

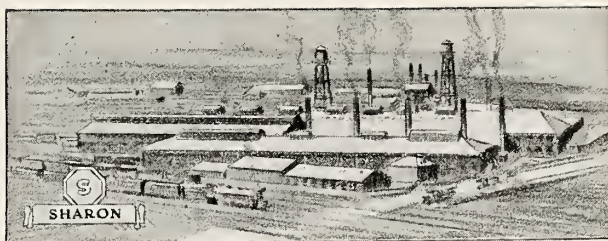
Our telephone operator is quite an accomplished musician, and is contemplating a musical career as a pianist. Thus far, she has had several offers from movie houses in her own district, but is aiming for something better.

You should have heard "Rudy" "Arn" and "Ack" O'Neil confab with Eileen Green the other day. They lectured her like a pair of "Dutch Unchs" for about ten minutes, when of a sudden Eileen displayed her nationality!

Anyone wishing to enjoy a good artistic Mouth Organ recital can do so by making arrangements with Fred, our congenial Watchman, who recently gave a demonstration of his ability on this instrument.

Some of the boys were "dusted off" the other night after the week's work was done. It happened in the "Wee Sma'" hours of the morning. Their claim was set forth that they needed something to give them an appetite for breakfast. Elmer Eiffler, First Helper on the Open Hearth, proceeded to fulfill their wants by taking them for a spin in the "li'l" old Mercer through the country. The air was spicy and the old bus sure did travel some. All voted it a grand success.

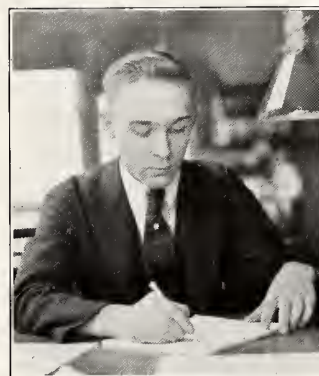
Patty Salmon is a regular chicken-fancier. He claims he can make a hen lay forever by cutting her head off. He tried it recently, and as layers they are mighty fine tasting chickens.



## Sharon

T. G. Sandors has a system of his own when it comes to keeping cats. He got angry at the cats in his neighborhood and shot all of them, offering as his reason that they were killing his chickens. After making sure that there were no more cats around,

Sandors went to another part of the City, stole a cat and took it home. We would like to know what the neighbors are saying about that.



F. V. Ferguson, Cost Clerk, 3 years' service. Sharon Works

The champion pool player at the Sharon Plant is H. A. (Red) Voglesong. Some of the boys want to take him on, but he insists on playing in Franklin where he won fame.

Andy Dunlap took a friend out in his Dodge recently, to show him what a good car he had, but when they got out about six miles, the car refused to go, and had to be hauled in—and what hurt Andy the most, a Buick *did* it.

A. H. Lauer is now a chicken-fancier and, so it is rumored, is anxious to have his picture appear in a poultry magazine to substantiate his reputation for raising the best fowls in the land.

The picture in THE OCTAGON of our old friend Frank (Bud) May looked very good, and as usual, "Bud" seemed to be in luck, he being the best fisherman at Granite City. With Joe Wagner, the champion angler of Franklin, we would like to match our man Kashner against either of these men.

Tom Ryan has been working hard in the evenings for the past month making his garden look nice and just as he got it looking good a neighbor's cow got in one night and destroyed the results he had struggled so hard to make.



## General Offices

Samuel J. Aurelius, Jr., is the latest arrival at the home of Mr. S. J. Aurelius, of the Sales Engineering Department. The advent of this baby, on May 9th, makes the third "proud father" in the General Offices since the last issue of THE OCTAGON.

Mr. W. E. Fethers, Works Auditor at Chester, was a recent visitor, as was also Mr. G. L. Alston, Works Auditor at Indiana Harbor.

The following code pages were revised since the last issue of THE OCTAGON was published:

182, 183 and 184 (dated 4-1-21); 197 (dated 5-1-21); 121, 122, 123, 124, 125, 126, 128, 129, 130, 131, 132, 134, 135, 136, 137, 138 and 144 (all dated 4-5-21); 188B (dated 4-1-21); 28 (dated 4-20-21); 3 (dated 4-29-21); and 37 (dated 4-26-21).

Eight more "pounds" have been added to the family of J. R. Pounds, of the Casualty Department, in the arrival of a young son, Jack, at 12:30 (Chicago time) April 29th.

Word comes as follows from the Cleveland Office: "I might suggest that inasmuch as I have whipped W. G. Wallace, L. E. Jones, Billy Spieth—in fact every member of the Chicago Office that I ever played golf with, I hereby challenge them again, or, for that matter, any other member of the Chicago Office. Game to be played either at Cleveland or Chicago." (Signed) P. A. Martin.

"Take Your Girlie to the Ball Game" (she doesn't have to be your real girl). We wonder why some of these fellows with cars wouldn't take the A. S. F. Girls to the baseball game, instead of expecting them to hang on a strap all the way to the ball park.

Miss Katherine Bemis, Stenographer in the Accounting Department, is engaged to marry Mr. Arthur Dobbeck.

Mr. O. E. Mount, Works Auditor, East St. Louis Works, paid the General Offices a recent visit.

Albert Lee Stevens, of the Traffic Department, is the proud father of another fine boy, weighing seven and one-half pounds. The young man first saw the light of day on May 4th.

From reports recently circulated, Mr. D. W. McGeorge, former assistant to Mr. J. C. Davis, is doing exceptionally well in his new position with the Edgewater Steel Company.



Miss Marian Scriba, Stenographer,  
Sales Engineering Department,  
General Offices

Mr. M. Bainbridge, Accounting Department, spent several days at the Simplex Works last month.

Richard Cunningham, Cost Department, has returned to work after a month's illness.

Miss Ethel Robinson, Sales Ledger Division, took a four months' leave of absence, during which she made a trip to California.



## Works Councils Secretaries

F. E. Brew, Alliance  
J. Weston Eyre, Chester  
C. E. Turner, E. St. Louis  
George R. Mann, Granite City  
S. C. Lind, Indiana Harbor

## Alliance Works Council

The Works Council at Alliance Works held its first meeting on August 17, 1920, with the following representatives:

Management	Employees
C. H. SHAFFER, <i>Asst. Works Manager</i>	J. E. RYAN, <i>Accounting Department</i>
W. J. GEDDERT, <i>Foreman, C&amp;M</i>	T. A. MILLER, <i>Foundry</i>
W. W. SCOTT, <i>Master Mechanic</i>	F. R. LANG, <i>Foundry</i>
E. W. CARTER, <i>Supt. Open Hearth</i>	HARRY RICHARDSON, <i>Metal Pattern</i>



A. L. WOOD, *Forge Shop*  
Foreman  
G. L. ALSTON (absent), *Works*  
Auditor

FRANK REARDON, *Elect.*  
Department  
ALLEN MERCER, *Repair*  
Department

Regular meetings of the Council are held on the third Friday of each month.

Entertainment and Athletic Committees have been appointed and are actively on the job, as well as auxiliary committees selected to assist in putting through amusements, etc., at this Works.

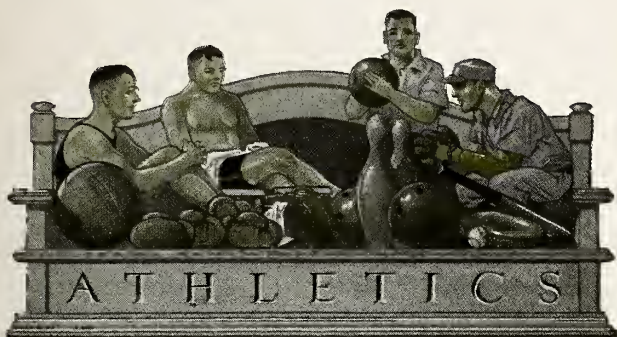
## Chester Works Council

John McNicholas, No. 1 Foundry Molder, has been elected to represent Division No. 1, of the Molding and Foundry Departments, succeeding John McAllister, who recently resigned.

Mr. Wm. J. Brown has been appointed Management Representative on the Works Council, to succeed Mr. Charles W. Williamson.

## Granite City Works Council

The contest for membership to the Works Council from the C. M. & A. Department proved to be rather a warm one. Charles Acklin defeated Dan Karlich by one vote.



## At Alliance Works

We are figuring strong on placing a ball team in the Alliance City League, if such an organization gets under way this summer.

The Dunbar Club of the American Steel Foundries has organized one of the best colored baseball clubs in this neck of the woods. They are scheduling some of the leading industrial and semi-pro organizations in this section. At this writing, Messrs. H. Palmer, Smith and Parks, are making some run for the first string pitcher's job. Snodgrass and G. Sweeney are almost sure of landing the backstop work. Neil, Lucas and Harris are putting up a pretty fight for first base honors, with Neil a slight favorite, at this time. The rest of the infield is com-

posed of Hamlet, Adams, R. Smith, Wm. Hogan, W. C. Baker and Lawrence Williams. The following men are hiking around in the outfield: Cureton, Arnold, Leath, Peterson and Fullum.

## At Thurlow Works

Clarence Nichols, Production Department, and Pat Dougherty, Core Foreman, have issued a defi to any pinochle players in this or any other Plant. They have won a few games from a few amateurs and can't stand prosperity. All challenges should be addressed to Mr. Nichols. Bill Campbell and a few other stars might welcome them.

Pat Cummiskey, of No. 1 Foundry, has organized a Ball Club amongst the fellows, at Third & Highland Avenue, and has purchased the old uniforms of our Baseball Club. Pat expects to put a fast team on the field.

Harry Carbine, No. 1 Foundry, is becoming very famed for his ability as an exponent of the Manly Art, and has promised to mix things up over at the Gym some noon.

The Ball Club opened up their Season Saturday, May 14th, at West Chester, Pa., playing the strong Sharpless Separator Co. Team of that city. A very strong schedule has been arranged and our boys will have to step some lively pace to bring home the bacon at the end of the season. Some of the games arranged are as follows:

May 14th, Saturday, Sharpless A. A. ....	West Chester
15th, Sunday, Nativity, C. C. ....	Philadelphia
21st, Saturday, Chester Club. ....	Chester
28th, Saturday, Camden City. ....	Camden
29th, Sunday, Stenton F. C. ....	Philadelphia
30th, Monday, Aberfoyle. ....	Chester
June 11th, Saturday, Lebanon. ....	Lebanon
12th, Sunday, Minersville. ....	Minersville, Pa.
18th, Saturday, Sharpless, A. A. ....	West Chester
25th, Saturday, American Chain. ....	York, Pa.

A Volley Ball League has been organized at this Plant and some very exciting games are staged each day in the yard. So far the honors are about evenly divided.

## At Granite City Works

Mr. Joe Mowry, Foundry Foreman, has graduated from the "has been" class to the "comer" class and is now Umpire in the Muny League of St. Louis.

Eck Brandes, from Indiana Harbor Plant, formerly a member of our Granite City force, paid us a

visit during the early part of May, while on his vacation. He reports that the fellows at Indiana Harbor Plant want some more easy money and are waiting for a chance to roll a few games on a first class alley.

Mr. P. G. Lauff, Process Inspection Department, in a game rolled recently, bowled 274. During the same evening Bud May, P. Lauff, John Saurerwald, Bob Sonquist and A. B. Fisher, bowled 2376 pins in two games, an average of 198 pins per man.

## At Indiana Harbor Works

After a very successful season, the Bowling League, composed of the following teams, completed its schedule at the Lyric Alleys with these results:

Peppers	Gumps	All Stars	Aces
Murley (Capt.)	David (Capt.)	Osman (Capt.)	Boshold (Capt.)
Lind	Walker	McCaffery	Clancy
Engleton	J. Sterling	Pattullo	R. Sterling
Maurer	Barenie	Crowe	Means
Fires	Turnell	Halicki	Taski
WON 42	WON 34	WON 27	WON 23
LOST 21	LOST 29	LOST 36	LOST 40
PER .667	PER .539	PER .429	PER .365

### Team Prizes

High Series (Gumps) .....	2523
High Game (Peppers) .....	909

### Individual Prizes

High Season Average	Murley .....	170
High Series	McCaffery .....	584
High Game	McCaffery .....	243

A review of the material available for the formation of teams in the Indiana Harbor Works Indoor Baseball League has disclosed the fact that a wealth of talent has been overlooked. In view of this, an increase should be made to the roster of the League, from four to six teams, the lineup of the two additional teams being given below:

### "OOMPHS"

D. Schalk	Smith	C
P. Kerr	Pierson	P
W. Judge	Goddard	1 b
J. Young	Duffy	2 b
H. Maronville	Dratz	S S
J. Deal	Flanagan	3 b
J. Leibold	Bailey	r f
R. Cobb	Moss	c f
F. Flack	Farish	1 f
A. Bush	Waldner	Utility
J. Wheat	Suttie	"
H. Shanks	Voight	"
G. Barber	McCaffrey	"

### "UMPHS"

H. Killifer	Barnum
J. Mays	Oliver
J. Sisler	Loveday
H. Lajoie	Erkenswick
W. Hollocher	Parker
T. Groh	Havlin
H. Ruth	Krauel
M. Speaker	Rintz
G. Hooper	Dougherty
H. Fournier	Fetten
H. Walker	Wallis
T. Crane	Mosley
M. Hornsby	Harris

Should any questions arise as to the ability of the various members of the teams, it is only necessary to refer to their previous records, some of which are of long standing.

## At Pittsburgh Works

The mush ball game played by Pat Salmon, C.; Red Tuckey, P.; Ack O'Neil, S.; Kid Bepler, 1st B.; Pepper Hein, 2nd B.; Ruff Priestley, 3rd B.; Skinny Allison, R. F.; Flexible Freese, C. F.; composing the "Ruff Necks," and Joseph Collins, C.; R. G. Arn, P.; R. Herpst, S.; J. Meyers, 1st B.; H. Brown, 2nd B.; E. Boles, 3rd B.; W. Arnold, R. F.; and J. McCord, C. F.; composing the "Treat 'Em Ruffs," resulted in the following total scores:

	"Ruff Necks"	"Treat 'Em Ruffs"
AB	54	31
R	18	2
H	34	14
TB	39	24
SB	16	11
P	36	36
A	29	26
E	0	11

Bill Arnold and E. Boles are tied for first place in the strikeout league. Harry Brown and Ack O'Neil are tied for breaking windows, each having two to his credit.

We would like to see the Pittsburgh Works get in the Industrial League with a Baseball team. There are a number of players in our Plant who would be "tickled to death" to get a chance to play. Let's get busy and liven things up a little.

## At General Offices

On May 7, American Steel Foundries won its first game in the Chicago Industrial Baseball League. The opponent was the Northwestern Stove Repair



Company, score being 10 to 2. On May 14, the second game in the League, American Steel Foundries won over National Lead Company, its opponent, with a score of 15 to 8. The team has started off well and it is hoped that as many Works members as possible from Hammond and Indiana Harbor, and many from the General Offices, can be present at the games which are played every Saturday during the League Season, which terminates August 14.



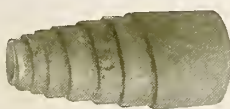
# Company Products



Cast Steel Rack Trolley Side



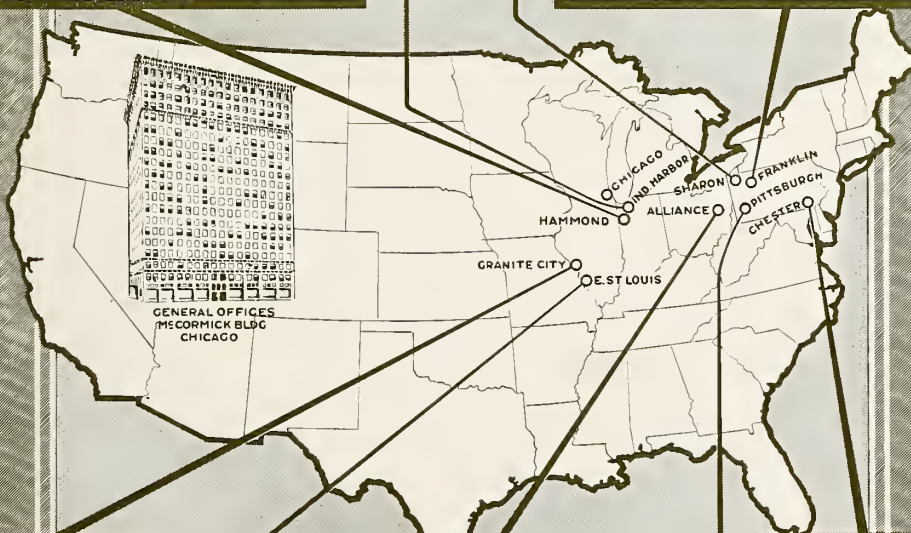
Cast Steel Vulcan Side Frame



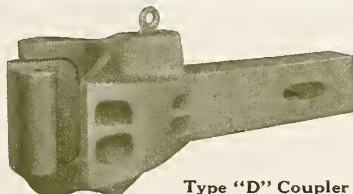
Volute Buffer  
and Draft  
Springs as  
used on  
foreign  
freight  
equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



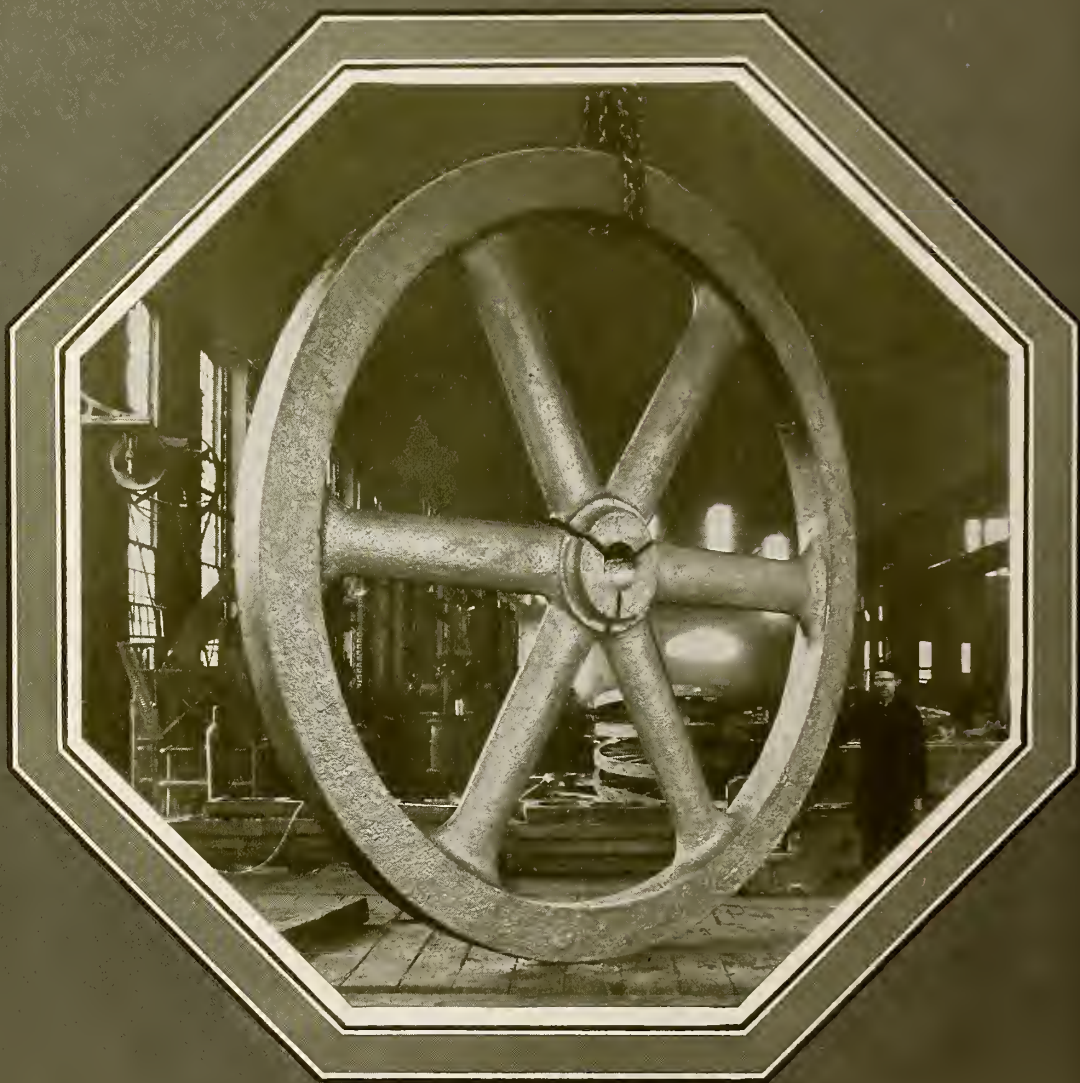
Cast Steel Driving  
Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames





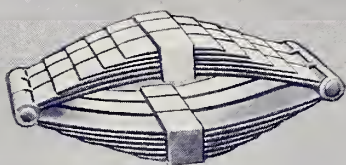
# THE OCTAGON

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# Company Products



**SPRINGS**



**DAVIS  
STEEL WHEELS**



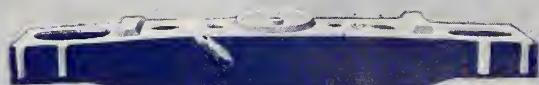
**AJAX AND HERCULES  
BRAKE BEAMS**



**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



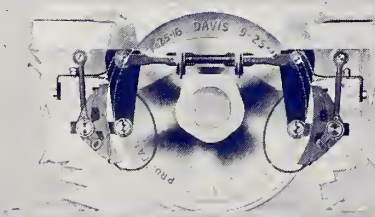
**ECONOMY CAST  
STEEL DRAFT ARMS**



**CAST STEEL  
BODY AND TRUCK BOLSTERS**



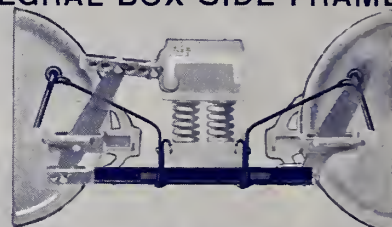
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



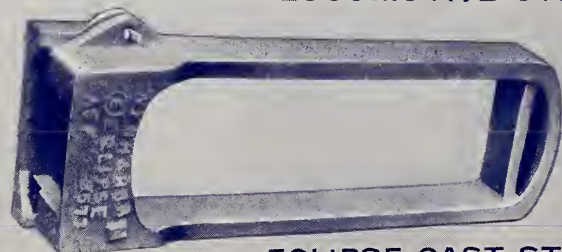
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





VOLUME V

JULY, 1921

NUMBER 19

## FOUNDRY GRAB BUCKETS

By

**FRANK DOUGHER**

Assistant to Fourth Vice President, General Offices

**C**LAM SHELL grab buckets are used in a foundry for removing waste sand, cutting heap sand for molding purposes, loading materials such as limestone, slag, cinders and coal into cars or bins, unloading materials from cars, and transferring materials from one point to another.

Clam shell buckets, as now manufactured, are principally of four different types or designs, defined as follows:

- The Lever Tackle
- The Multiple Rope
- The Power Wheel
- The Single Line

There are other types of buckets manufactured but they are not prominently in use and are given no consideration in this paper.

### **The Lever Tackle Bucket**

This is the most efficient type of bucket both as to output and maintenance. These two characteristics are interrelated for the reason that great speed may be obtained, thereby caus-

ing a larger output, and a small amount of maintenance is required due to the small number of wearing parts.

The Lever Tackle Bucket derives its designation from the fact that a tackle is used in the closing mechanism, together with an extended lever over the main center pin; one of the blocks of the tackle being located on the end of the lever arm. This lever tackle principle provides for a great closing power at the end of the stroke whereby a maximum amount of closing line is pulled out of the head of the bucket, thus reducing the amount of load on the closing line and increasing the load on the cutting edges of the scoop. This is a very important feature and is the basic principle in all bucket designs. It may be summed up in the following expression: It is the weight of the bucket on its cutting edges that does the digging and the lever tackle principle gives the best distribution of this closing power and takes the least weight off the cutting edges of the bucket, during the closing motion, of any bucket on the market.

## The Multiple Rope Bucket

Perhaps one of the most widely used types of closing principle, although not the most efficient, is the tackle reeving. Essentially this reeving consists of a number of ropes used as a tackle between the main center pin and the main head pin of the bucket, and when the power is applied the effect is to draw the main center pin to the head pin. When a large number of ropes are used in this tackle, the pull



The Foundry Grab Bucket Closing

on the closing line is a minimum and the amount of line travel is a maximum. In fact, this is the very part that in the Lever Tackle construction is obviated; that is, the large amount of cable reeved on a great number of moving and wearing parts. The tackle reeving must be multiplied particularly at the end of the stroke, otherwise the bucket will lift from the material. Because the ratio of the horizontal movement of the scoop in closing to the upward movement of the main center pin is so small, in order to get sufficient line travel of the closing rope, a great number of parts of this cable must be used to reduce the line pull to a minimum and prevent the bucket from rising out of the material.

## The Power-Wheel Bucket

The principle of the wheel and chain, which is known as the Power-Wheel principle, is one of the oldest forms of closing mechanism known in grab bucket construction. As popularly applied to grab buckets at the present time, it has many inherent defects and few advantages. The application of the Power-Wheel to the main hinge pin causes the Power-Wheel to

descend into the material handled at every cycle of operation. The Power-Wheel carrying the closing line on its outer grooved circumference naturally drops this cable into the material at every operation, and if the material handled is injurious to a steel cable, a rapid deterioration of this cable ensues.

The cable in passing out of the head of the bucket on the Power-Wheel type, necessarily passes over a small head sheave, which causes a reverse bending in the cable. This reverse bending in the cable rapidly wears out the cable and is a cause for frequent renewals. The method of attachment of the cable in the Power-Wheel type also causes breakages, shut-downs and frequent renewals, by reason of breaking of the cable.

Usually there is a chain pendent from the head of the bucket wrapping up in the hubs of the wheel, which hubs are usually at the extreme sides of the bucket. When the bucket lips are closed on the material and this material offers resistance to the closing of the lips whereby this resistance is on one side of the bucket shell, one of the closing chains carries all the load, which load is in turn transferred back to the head of the bucket. On account of the closing chains being pendent over these closing hubs, the head of the bucket must be made relatively wide and this width of head prevents a proper and economical construction sufficient to absorb the eccentric loading caused by one sided loading of the scoop. This wide construction of the head causes the head to break and in order to prevent these breakages, the bucket manufacturers have introduced redundant members in the corner bars bracing the scoops and adding weight, wearing parts and maintenance.

However, the equalization of stresses does not correct the absence of closing power at the end of the stroke on these buckets and does not correct the dragging of the rope through the material, nor the breakage of this rope. Therefore, the Power-Wheel type of bucket is considered to be the least efficient of any type built.



## The Single-Line Bucket

The Single-Line Bucket is an accommodation bucket whereby it may be hooked on or off the hook of some existing hoisting apparatus and perform its work without the necessity of reeving any lines on the bucket or on the hoisting machine. For this reason a certain amount of head room must be allowed for pulling out the closing line and this limitation determines the permissible closing power of the bucket. It is essential when digging in coarse material that the bucket have closing power and consequently a liberal amount of head room in which to swing the bucket. Most single-line buckets, as at present designed, are intended to work in very low head room and are consequently fitted with only two parts of reeving in the closing tackle. When required to dig in hard material they are not efficient, due to the fact that they are not designed for this kind of work. Most single-line buckets of today are limited to low head room and small clearances, thereby making it imperative that they work in granular bulk materials which are easy to handle.

A satisfactory design of single-line bucket is one in which the shock of opening is absorbed by causing the bucket to climb its own hoisting cable in opening, resulting in a smooth and quick opening without shock or jar to the crane or bucket. There is nothing which can occur to prevent this shock absorbing feature as it is accomplished by the rope reeving and the location of the point where the ends of the rope are attached to the scoop. In other words, the weight of the scoops balances the momentum developed by the quick descent of the moving parts and the bucket is caused to mount the closing line until equilibrium is established.

There are other designs of single-line buckets which absorb the shock of opening by means of dashpots, coiled springs or pneumatic rams. These methods open up a channel for much detail as well as adjustment and repair, and are never to be relied upon.

## Two-Line vs. Single-Line Buckets

In the case of two-line buckets of whatever make or type of design, the dumping of the bucket is under power control and, therefore, the bucket is not subject to shock as in the case of the single-line bucket which is dumped without control.

The opening and closing of the two-line bucket is performed by means of two separate

hoisting cables attached to two distinct and separately operated hoisting drum mechanisms on a crane or derrick. By hauling on one of the cables, the bucket is closed and then hoisted to the desired position,



The Foundry Grab Bucket in Open Position

when by transferring the weight of the bucket to the second cable and relieving the strain on the first one, the bucket opens by reason of the weight of certain moving parts of the bucket itself.

As certain changes would have to be made to overhead cranes in a foundry to accommodate two-line grab buckets, single-line buckets are used. These are so designed that the bucket can be readily attached to or detached from the hook of any crane, no special hoisting apparatus being necessary. Single-line buckets differ, therefore, from the two-line buckets in that they dispense with the necessity of having two hoisting cables and the consequent extra hoisting mechanism on the crane. It is, therefore, obvious that single-line grab buckets are more desirable than two-line grab buckets for use in connection with overhead cranes in a foundry, where crane service is usually at a premium and delays caused by attaching and detaching two-line grab buckets would inter-

fere with the operation of the foundry. However, there is a use for two-line grab buckets on yard derricks.

## Essential Requirements of Grab Buckets

1. Easy and effective control of the dumping operation.
2. Ability to dump the bucket at any height above the ground or floor.
3. Efficient means for absorbing the shock produced by the opening motion of the bucket.
4. Simplicity and rigidity of construction.
5. Minimum amount of maintenance.
6. Accessibility of the wearing parts of the bucket to facilitate repairs.
7. Minimum number of wearing parts.
8. Efficient locking mechanism.
9. Minimum weight per unit volume of bucket capacity.
10. Ease of attachment to hoisting apparatus.
11. Absence of additional rigging for attaching bucket to foundry cranes.
12. Maximum digging power.
13. Ability to operate bucket in low head-room.
14. Maximum amount of closing power for a given head-room.

## PROPER YARD SUPERVISION

By

J. O. BAILEY

Yard Master, Indiana Harbor Works

THE following article may be of interest, as relating to yard operation at the Indiana Harbor Works.

In unloading bulk material, care should be taken to comply with the State laws providing clearances from the rail. (The Indiana law specifies a clearance of four and one-half feet.)

The Track Foreman makes a daily inspection of all tracks to see that right angle curves have rail braces, etc. Many switch points are on curves and need close attention; they should be kept tight on points. Tracks should be above ground level, to save ties and keep switch stands from freezing in winter.

We aim to have the interchange and yard-check made before 7 o'clock each morning, so as to make out the switch list for the conductor, stating at what track and bin cars are to be set and which cars are to be set first. In order to handle the switching list without trouble, it is essential to keep posted on the condition of piles and bins, also on all material in transit.

In handling Pig Iron, most of the work is

done by the locomotive cranes, but there are times when it must be done by hand. When a new pile is started by the crane or hand, a wall is made by piling the pigs like cordwood, which makes a very neat appearance. In hand unloading, an iron channel twelve feet long by twelve inches wide is used to slide iron over the side of the car.

Unloading scrap wheels from box cars is one of the hardest piece-work jobs in the yard. Car wheels are not so difficult but the large tender wheels, which weigh around 800 pounds, sometimes become knocked down in transit and



Scrap Pile in the Yard



it is often necessary to use a long cable, a snatch block and the locomotive to get them out of the cars.

The yard crane should have the right of way over the yard engine. (Most engine crews think they should not.) Many plants make it a standard ruling that cranes come first, because the engine can make faster moves, also there is more or less spot work for an industrial engine. Both crews should line up switches, as found along leads, if either crew is working on track off of leads. A switch left wrong often causes the crane of an engine to be derailed. When engine or crane crew run through a switch, they should notify one of the Yard foremen, at once.

A pile marker system has been installed at the Indiana Harbor Yard. These markers are made of an I-beam nine by five inches, set in a block of concrete eighteen by eighteen inches, which is buried two feet in the ground and four and one-half feet from the rail. (Being set this dis-

It is good policy to have hardwood blocks sawed from one to three feet in length for replacing cranes, engines and cars on tracks. A set of car replacers should always be carried on the engine and cranes. As a rule locomotive cranes are not hard to get back on the rails. Both crews should have tools with which they can make repairs. Engines and cranes should be kept clean and in good repair.

The refuse at Indiana Harbor Plant, which cannot be handled by grab bucket, is handled by two piece-workers, one team and two dump-wagons. By using two dump-wagons the two men are loading one while the other is being hauled away and dumped. These two men pick out all the steel from the refuse which amounts to between 125 and 150 tons in a year. Refuse is also loaded in A. S. F. yard cars and unloaded at different parts of the Plant by hand (piece work), or locomotive crane, then is leveled off by the team and scraper.

The scrap breaker is operated by two men — operator and chainman. The breaker ball weighs about 6690 pounds. The drop has a height of about sixty feet and the ball is released by a trigger arrangement tripped by the chainman. A thirty-six inch magnet is also used in connection with the ball for placing scrap for breaking and cleaning pit after broken. The magnet is controlled by the drop operator and is attached by simply putting the chain link over the block hook.

It has been the policy in our Yard to make time studies regarding unloading of all material, and to put the same on a piece-work basis, when possible, thus lowering the operating cost and enabling the men to make more money. We also strive to systematize the work so that there will not be too many men on one job and not enough on another, in other words, to keep each job well-balanced.

The first thing to realize is that business is coming back strong and the next thing is to get out and hustle, to help it get its walking legs again.

All progress is the result of economy.



View Showing the Yard Locomotive Crane and the Drop Ball

tance from the rail, we know, at a glance, whether or not the material is within the clearance law.) The I-beam is set in the ground so that small plates with pile numbers on can be attached, which can be seen by engine crew in placing cars. These pile markers can be removed at any time and transferred to other locations.

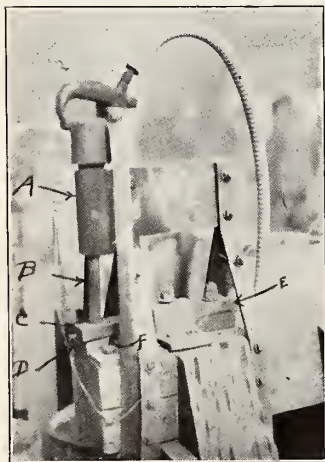


**What Every Foundry Man Ought to Know**

Contributions by  
Granite City Works  
Alliance Works

## Nail-Straightening Machine

The accompanying photograph illustrates one of the nail-straightening machines in use in the Reclaiming Department at Granite City Plant. With this machine one man can straighten more nails in a day than five men can with an ordinary hammer on an anvil.



The reader will observe that the essential working parts of this nail-straightening device consist of an ordinary pneumatic chipping hammer "A," with a blunt chisel "B," imparting impacts to a slotted anvil. The bottom section of the anvil "D" is made of tool-steel, securely fastened to a wooden base, as shown in the photograph. The upper section of the anvil "C" is also made of tool-steel and is bolted to the base at the end "E" in such a manner that it can vibrate under each impact of the hammer, opening and closing through a distance of about a quarter of an inch at the slot "F." The bent nail is slowly inserted in the slot by the operator, who works the pneumatic hammer by passing his foot through the wire stirrup "G," which is bent upward in the photograph for purpose of illustration.

## Using a Traveling Crane and a Five Ton Lifting Magnet in Eye Surgery

The Alliance Plant worked on novel material a few days ago, when a local eye surgeon, G. L. King, solicited the aid of its management in removing steel from the eye of a patient from a neighboring plant.

Dr. King had a workman, who in a moment without his protecting goggles, was struck in the left eye by a chip of steel that flew from a chisel or hammer in the hand of a fellow workman. The X-ray of the eye showed the steel about one-eighth inch in diameter at the extreme back part of the eye-ball or beyond the ball entirely. The surgeon's own magnet, while the best on the market, had no effect on the



steel and complete loss of vision seemed assured, until a new thought brought him to ask the aid of the Alliance Plant. The plant management placed a traveling crane and our most powerful magnet at the doctor's disposal and everyone interested seemed eager to assist in the improvised ophthalmic hospital. The magnet, a cut of which appears with this article, was placed on edge in the yard, and the patient on his knees before the magnet, with the point of greatest pull pointing toward part of the eye where the steel entered. The patient's head was gradually brought into close contact with the magnet until a sharp twinge of pain was felt; a second contact was less painful and the trick was done, the steel having been drawn into the eye-ball. It was removed the next day by the magnet at Dr. King's office. After that the patient was practically free from pain and has a good chance of not only retaining his eye-ball, but good vision besides.

Thrift is wisdom applied to economy, a proper balancing of one's income with one's expenditures.



## WHO'S IN THE AMERICAN STEEL WHO THE FOUNDRIES



Mr. John B. Collins began his employment with the American Steel Foundries, at the Pittsburgh Plant, July 1st, 1905, when he became Foundry Clerk. He was later promoted to Shipping Clerk, Assistant Order Clerk, Order Clerk, and then, Production Engineer. The name of "Collins" is a popular one at Pittsburgh, there being several members at that Works bearing the same cognomen, and he is one of the best liked of that name in the Plant.

Mr. Victor Cherry, of the Pittsburgh Works, began employment with the A. S. F. in 1908, as Time Keeper, for the Labor and Open Hearth Departments. Later, he received a promotion to Assistant Shipper, then to Shipper, the position he now holds. Mr. Cherry is married and the father of three children, and has made a good record.



Mr. George L. Ebert started his American Steel Foundries career at East St. Louis Works in 1905; in 1906 he became Core Room Clerk; 1909, C. & M. Checker; 1910, C. & M. Clerk; 1911, Foundry Clerk. In 1912 he was transferred to the Pittsburgh Works as General Clerk. Returning, after six months, to East St. Louis he became



General Foundry Clerk. Later he entered the Operating Department as General (Night) Foreman, C. & M. Department, leaving this position to enter the U. S. Army during the World War. Upon his return from overseas, he assumed the position of Inspector, until 1920, when he was appointed to his present position, Assistant General C. & M. Foreman.

### THEIR FAVORITE DISH

Mr. F. C. Johnson's (Receiving Clerk, Alliance) favorite dish is **Maple Delight** which is prepared in the Johnson home as follows:

"Take three oranges, pare off the white and cut very small; six peaches; two slices pineapple; one dozen marshmallows (diced); one-half cup cocoanut; six maraschino cherries (cut small). Mix all thoroughly and place in sherbet glasses. Over each pour enough maple syrup to show through. On top, place a layer of whipped cream. This is everything the name implies.

MRS. F. C. JOHNSON."

Miss Launa Carlisle's (Secretary to Manager, Coupler Department, Alliance) favorite dish is **Head Lettuce Salad (with A. S. F. Dressing)** which is prepared in the Carlisle home as follows:

"One good sized head of lettuce; chill thoroughly; cut into quarters, serving one quarter to a plate. Make the following dressing: one hard boiled egg, two olives, one-half small onion, one-half green pepper, small piece pimento. Chop fine, and mix with one cup mayonnaise into which have been beaten three tablespoons chili sauce or catsup. Pour this dressing over the lettuce and serve at once. If dressing is too thick, add a little cream. If desired, the onion may be omitted and chopped celery used.

LAUNA CARLISLE."

Mr. Ira Jones' (Stockman, Franklin) favorite dish is **Carrot Pudding** which is prepared in the Jones home as follows:

"One cup grated carrots; one cup grated potatoes; one cup brown sugar; one cup flour; one cup chopped suet; one cup chopped raisins; one cup chopped nuts; one even teaspoon soda dissolved in potato; one half teaspoon each cinnamon and nutmeg; steam 2½ to 3 hours. "(Sauce) One-half cup butter; one half cup sugar; tablespoon flour; yolk of one egg; cream these together; then add one cup boiling water; cook until thick. Beat white of egg and fold in. Flavor to taste. MRS. IRA JONES."



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No. 19

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The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employes of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

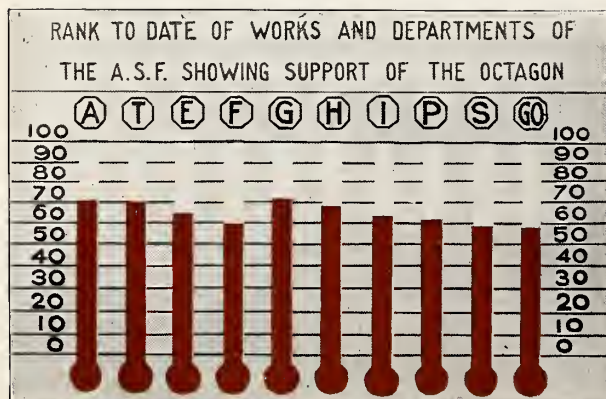
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From the inception of the Octagon to July 1st

## "Passing the Buck"

Did you ever stop to think how much harm you might do to someone else if you tried to slip the burden on them for a thing you are responsible for yourself? You have done a wrong act and by a little subterfuge you can put the blame on his shoulders. If you will ponder a few moments you will probably come to the conclusion that the old adage is right, nine times out of ten, "Murder will out," and in due course of time the act will boomerang on yourself. Which is the right thing to do, take the blame yourself and get a "tearing down," as the saying goes, or "pass the buck" and make the innocent suffer? You will find that today the man that says, "I did it," instead of "he told me to do it," will be the gainer in the long run.

It pays to be honest with yourself as well as to your neighbor and he will think the more of you for it. Put yourself in the place of an executive, and have the problem come up in which a certain piece of work went wrong; you tried to find the solution for the failure, and asked the person connected with it whose fault it was. He comes back and says, "Well, I knew at the time it wasn't the right thing to do but so-and-so thought better so I did it that way." After going into the matter deeply you find that this person was a headstrong and bullish sort who thought he knew the thing to do, regardless of instructions, and after the failure, took the lines of least resistance and "passed the buck." Would you have the same confidence in this man hereafter? Emphatically, no! Instead of "passing" the buck in the future, "retain" it.

(C. B. Alexander, Alliance Works.)

The Chart published in this issue under Alliance news items, showing the different departments and their respective standings, at Alliance Works, exhibits perhaps better than any other thing just how competition is being waged at that Works for first honors as regards order and cleanliness. The system now in operation at Alliance was referred to in an editorial in the April issue of this magazine although no specific reference was made to the Chart.

The law of work is that a certain quantity of work is necessary to produce a certain quantity of good of any kind whatever. If you want knowledge, you must toil for it; if food, you must toil for it, and if pleasure, you must toil for it.

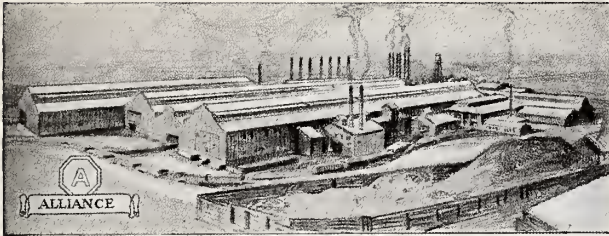
No man was ever so much deceived by another as by himself.

Contentment is natural wealth; luxury is artificial poverty.





# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

It is rumored that Mr. H. V. Knowles has recently applied for a patent on a new bumper for automobiles.

At the last meeting of the Goompf Club the following officers were elected: J. E. Wagner, President, vice C. H. Shaffer; J. R. Temple, Vice-President, vice C. B. Alexander; Geo. O'Brien, Secretary, vice F. M. Brew; Chas. Smith, re-elected Treasurer.

During the erection of the structural work for the new roof on the old foundry, Charley Brown was obliged to take a complete set of pictures each day, showing the progress of the work. To get these pictures requires walking pigeon-toed along the straight and narrow, at an elevation of eighty-five feet. One day after reaching the extreme height he found he had forgotten his focus cloth. Not wishing to risk his neck any oftener than necessary he decided to use some part of his wearing apparel as a focus cloth. He disrobed, lined his clothes along the roof and finally chose his shirt as being the best garment for this purpose. Our one regret is that we are not able to reproduce a picture of Charley in this predicament.

Mr. Wm. Salter, Fitter, is the proud papa of an eight-pound boy. Instead of watching the new arrival, they have to look after Bill so that he will not mistake the boy for a Type "D" Knuckle and throw him some place. By the way, this makes Abe Draper a grandfather. Congrats to both.

Ell-Mac Dancing Academy was again the scene of a gay affair on June 3rd, when the Goompfs entertained their wives, sweethearts and shop associates to an informal dancing party. The hall was prettily decorated with American flags and bunting. Introducing a novelty in the way of refreshments, at intermission, the Committee in charge served ice cream and cake put up in individual boxes. Of course, the punch was not overlooked. These parties are becoming more and more popular and are anticipated eagerly each month.



Thos. Anthony, 21 years' service at Alliance

Mr. Martin, Chief Clerk in the Clasp Brake Department, recently passed around cigars to the men, while he favored the girls with a 5-pound box of candy. Jane Barbara is the little girl's name.

The third entertainment given by the Works Council Athletic and Entertainment Committee, known as "Stunt Night" was so great a success that more space than was given to it in the last issue of THE OCTAGON is required to properly describe the affair. The State Street Auditorium was crowded. At 8 o'clock, the program began with selections by a twelve-piece orchestra consisting of Messrs. Rosenberg, Abegglen, Temple, Davidson, Wheeler, Trott, Hole, Artino, Resser, Guitardi, Gabele, and Kile. Much credit is due to this orchestra for the excellent music rendered throughout the evening. In addition to musical talent, the entertainment demonstrated that marked dramatic ability exists among the Alliance employees.

A Cabaret Scene followed the musical prelude. In this were Misses Rosenberg, Director, Weis, Gerardat, Holland, Keefe, Ailes, Dutton, Carlisle, Reeder, Joliet Sisters, and Messrs. Hole, McPherson, Alexander, Packer, Funkhouser, Sloan, Sudeck, Wilson and Minor. Next came the Pattern Shop quartette, consisting of Messrs. Houk, Beltz, Kochli and Scott, whose several selections were well received. Miss Hammond, daughter of Night Superintendent, followed with recitations, and Miss Rosenberg sang. Miss Keefe in her Honolulu dance and the Joliet Sisters in their fancy dancing received much applause. Then Mr. Bert Kelleher, in a song entitled "The Irish Tinker," brought down the house. As an encore, after being presented with a basket of roses, he sang "My Rose." Messrs. Alexander, Packer, Pittman, Houk, Alzner, Cullen, Archibald, Wilson, Sudeck, Ryan, Kochli, Beltz, Funkhouser, Sloan and McPherson formed a revue composed of plantation songs, Messrs. Beltz and Houk furnishing the solo parts. Jokes by Alexander and Funkhouser were good. The song, "My Mammy," sung by entire chorus, made a great hit but no greater than Claude Alexander did in his parody. The Office Quartette, consisting of Messrs. Alexander, Houk, Abegglen and Rosenberg also sang selections that were well received.

The big feature of the evening was a buck and wing dance by Smily King, our C. M. & A. colored Chipper. He could not control his feet and the crowd went wild with enthusiasm and cheered him loudly. It was Smily's dancing that won the Loving Cup for the C. M. & A. Department.

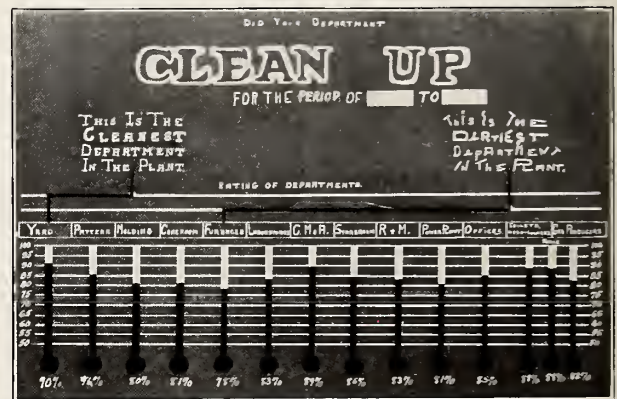
The "Mysterious Shrimplin" concluded the per-

formance with his mysterious work ably assisted by "Razuma," who was none other than Roy Funkhouser. Shrimp well deserves his title; the way he has of reading the human mind is wonderful, indeed. We had in attendance from the Chicago Office Messrs. Dougher, Phillips and Chambers from Indiana Harbor, G. L. Alston, and Mr. Julian Dean, of the Hampden Corundum Wheel Co., Springfield, Mass. Judge Milton Moore and City Solicitor Shetler were also in attendance.

Mr. O. Gulbransen takes frequent trips to Pittsburgh. We would like to know what kind of highballs they serve in Pittsburgh?

Our Major Bobby Hole and Boy Scout McPherson are now taking in the views of our fair city by riding on the bus. Why not rent a car, boys?

Mr. A. McKee was recently transferred to the Open Hearth because of the dust in the Foundry. Upon his arrival he noted that the scale house was a little warm so turned on the fan. A large amount of dust greeted him and now Andy is wondering if he made a mistake.



We wish to sympathize with the members of the Pittsburgh Works, because they have no restaurant, but we are going to promise them one of our pies if they can tell us how to get it there in good condition.

Mr. and Mrs. E. J. Greenawalt have gone to housekeeping in the Cline Apartment. Bob Hannan and family have also "set up" in one of the suites in the same apartment.

Miss Rosenberg, our nurse, is quite an experienced gardener, both vegetable and flower. A 150-foot lot has been planted, and is being "farmed" again this year. Here's a tip, boys, she owns the lot.





## Chester

Mr. A. Stephenson, formerly Works Auditor at this Plant, is spending a few weeks here looking after patterns.

Mr. Robert Power, Maintenance Engineer, has returned from Montreal bringing his family to live in their new home on Highland Avenue.

Messrs. "Bill" Feters, Works Auditor, and Dick MacDonald, Employment Agent, spent a couple of days recently fishing with their old friend, Capt. Bacon, keeper of the Elbow Light of Cross Ledge, Md., in the Delaware Bay. Dick went on then to tell us about the fish they caught. They caught trout so fast that before their lines hit the water, the trout were jumping right out of the water and hooking themselves, and they were big ones. From all accounts Dick and Bill should have had a windlass there instead of a reel to pull them up, for Dick said his back was nearly broken bringing them up. On the q. t., Dick said that they had to go inside the Lighthouse to bait their hooks because the trout would jump right up and steal it out of their hands. (They didn't have any ice so they couldn't bring them home.)

Mr. R. S. Munson, Works Manager, attended the old fashioned Barbecue given by the Rotary Club, of which he is an active member, at White Point, Northeast, Md.

Mr. H. Carbine, Apprentice Molder, claims that the next time he goes swimming at Clemmerton Lake, N. J., he will let the bathers wipe their shoes on his shirt if they want to because it is cheaper to pay the laundry bill than \$11.35 for striking the first blow.

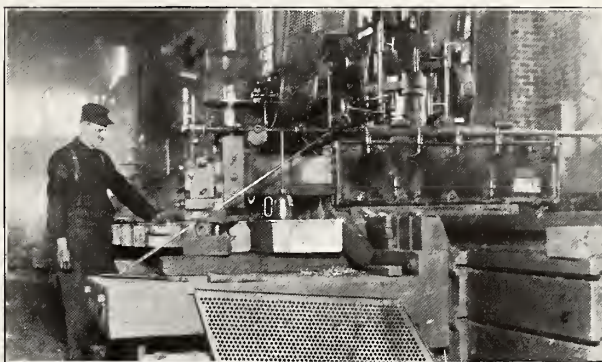
Mr. James McClue, No. 1 C. & M., is a regular visitor to Bowers Beach after trout and croakers.

Mr. Donatini Giovanni, Laborer in the Repair Department, has returned to Rome, Italy, and expects to return soon with his wife and family.

Mr. D. F. O'Brien, No. 1 Foundry Molder, is regular as clock works the first of each month to borrow the Foundry Magazine.

Mr. Windy Pennell, No. 2 Foundry Molder, and an enthusiastic baseball fan, can't be found at the games this Season. Come on Windy, Get Busy, the boys need you.

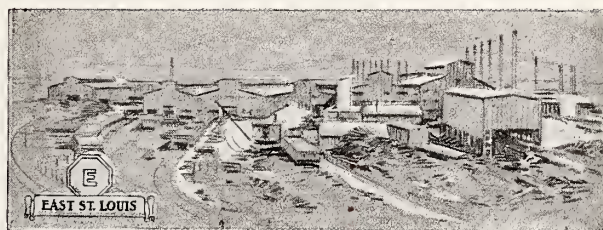
Mr. Elwood Harper of the Foundry is now in the dog business and has a fine kennel of hounds.



James Mackey, 36 years' service at Chester Works

Mr. Ben Hammond, formerly of the Sales Department, is now Order Clerk. We are glad to hear of Ben's promotion.

The Firemen held their annual picnic recently at Bowers Beach. The honors for catching the largest fish fell to Howard Borrowclough, while Bill Brown caught the largest number and ran a close second to Howard on the largest fish landed. Dutch Kestner has firmly resolved, after the happening on the way home, never to call any one a "Big Bum," particularly a State Motorcycle Policeman.



## East St. Louis

Works Councillor J. Long, of the Molding Department, is getting some valuable experience on the Hydraulic Presses in the C&M in assisting Mr. J. McAuley in pressing plates for the annealer floors.





Anerio Marazza, Chipper, 5 years' service; C. C. Collum, Chipper, 1 year; N. W. Cullen, Checker, 2 years, Mike Ferrante, Knuckle Carrier, 1 year; Chas. Mason, Chipper, 5 years, and Moses Watts, Chipper, 1 year. Alliance Works.



John Voight, 6 years' service; Robert Unks, 26 years; Walter Johnson, 13 years; Martin Rintz, 14 years, No. 1 Foundry Foremen, Molding Department, Indiana Harbor



Ed. Berendt, 8 years' service; Matt. Donnigan, 6 years; Joe Drost, 8 years; Geo. Sweet, 2 years; Tom Wellington, 2 years; Joe Zimmerman, 5 years; Costa Baboff, 15 years; Gus Neimers, 7 years, and Ernest Etterman, 8 years. Wheel Department, Granite City



F. A. Von Gruenigan, 5 years' service, Assistant Chemist, East St. Louis



Jim Vivione, Chipper, 14 years' service at Pittsburg

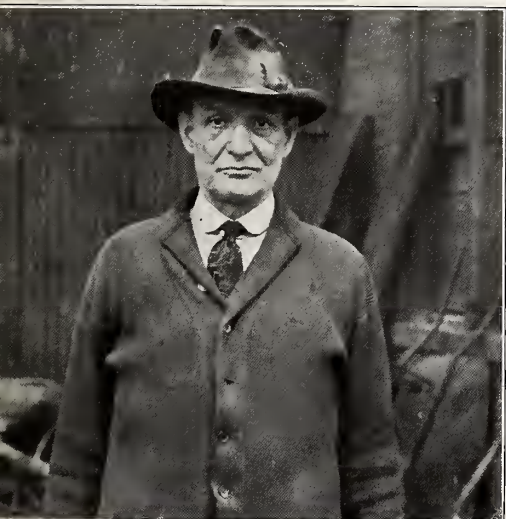


W. J. Whitman, Car Tracer, at East St. Louis, 6 years' service





J. Leonard, Steam Hammerman and Treasurer Athletic Club, 6 years' service; and Geo. Morgan, Assistant Steam Hammerman, 21 years. Chester



Collins, C. & M. Foreman, 14 years' service, Pittsburgh



Storeroom Bins for Stationery at Sharon Works



Interior View New Machine Shop, Granite City. Tin Shop and Electric Department on Balcony. Granite City Works



Rob Evans, 26 years' service, Bill Monk, 1 year, and Harry Barnum, 13 years. Pattern Storage Department, Indiana Harbor



Left to right, back row: Chas. Ely, Rammer, 1 year's service; Frank Lang, Molder, 29 years; Wm. Holzer, Finisher, 1 year; F. Burroughs, Molder, 1½ years; and Geo. Batus, Molder, 7 years. Front: Ed. Ely, Rammer, 1½ years; James Quinn, Molder, 12 years; J. A. Miller, Molder, 7 years, and Wm. Whitehouse, Molder, 6½ years. Alliance Works



W. Sneed, Machinist, and A. Dixon, Electrician, are two of the most energetic and efficient Crane Repair Men in the service of the Company. There are very few delays in the C&M Dept. while they are on the job.

The reason Mr. Wm. Busch, Carpenter Foreman, is able to get so much work done in such a short time, is that he has had the assistance of Mr. Harry Harmann, Safety Inspector.

Many members of this organization are now connected with the Granite City Works, and the Associate Editor suggests that they avail themselves of the opportunity to join the Loyal Order of Fleas, while there.

Mr. Wm. Busch, Carpenter Foreman, has purchased a Ford machine. As there are many curves in the Municipal Bridge from St. Louis to East St. Louis, he did his practice driving in Carondelet Park.

Mr. John Werle, Weighmaster, and Mr. R. Peridiso have completed the rearrangement of the Stationery Department, Blue Print Room and Locker Room on the Third Floor. Looks mighty good, fellows.



H. Dickens, 20 years' service, Annealer at East St. Louis

Mr. A. E. Jasper, formerly Job Order Clerk at this Works, was placed in charge of a street carnival given by the Order of Eagles in East St. Louis recently.

Messrs. Dave Ellis and Tom Baylor have invested in new Mohair suits (purchased at a bargain at Nugents, so we are informed).

Many attended the "Mulligan" given by the Granite City Works on June 11th. Granite surely upheld her former reputation once more in this line of entertainment.

Mr. Roy Gebhardt, Draftsman, who was recently transferred to Granite City Works, is back with us again, and is assisting Mr. L. W. Egan, Special Engineer.

In a recent issue of THE OCTAGON the Indiana Harbor Works requested information regarding Messrs. Murphy, Means and Eidam. Mr. Murphy has been transferred to Granite City Works; Mr. Means has returned to Chicago, and Mr. Eidam has taken thirty days' leave, at the expiration of which time he will probably return to this or Granite City Works.

Mr. Robt. Bay, Assistant Foundry Foreman, recently suffered a broken leg, received from falling off a ladder while repairing the building walls in the C. & M. We all hope for his speedy recovery.

Mr. G. A. Schenkel, Night Storekeeper, spent his vacation in Chicago with his son.

Messrs. J. E. Turner, C. E. Berry, and T. F. Coonan (the two latter being former employes) spent Memorial Holidays at their Clubhouse on the Meremac River, while Mr. L. V. Day, Works Engineer, visited Chicago, and Mr. T. J. Baylor with his family went to Jefferson Barracks.

The Pattern Shop has resumed operations, repairing and building patterns for the Granite City Works.

The members of this organization extend their sincere sympathy to Mr. O. E. Mount, Works Auditor, on account of the death last month of his mother, which occurred at the home of Mr. Mount's brother in Portland, Oregon.

The series of items on gardening by Mr. Olden, have brought results among members of this organization. Blistered hands and sore backs are quite common from spading gardens.

Messrs. Marshall Post, Works Manager, Sharon Works, and F. C. Rohlkoetter, Chief Inspector, East St. Louis Works, made the inspection of the various Plants for the purpose of making the Award for Good Order.

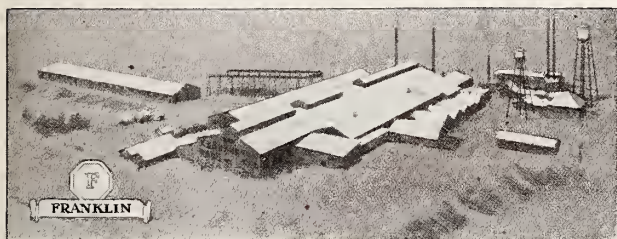
Diners in the Cafeteria are very much pleased with the home made pies which are made by our Chef-de-la-Messenger, Mr. Roy Kinney.

Charley Plesse, Cashier, says he recently umpired a ball game at Cahokia, but we believe he tried to do some fishing and had the usual fisherman's luck — getting nothing but blisters on his arms and neck.



# THE OCTAGON

There was a question in everyone's mind as to where Mr. Day, Works Engineer, had been when he came in to the office with hip boots on. However, it developed there has been no hunting or fishing trip on at all, as Mr. Day had merely been assisting in cleaning the reservoir.



## Franklin

Rumor has it that we are about to give to the ministry the valuable services of our Payroll Clerk, B. K. Karns, who is constantly seen wearing one of those beautiful black broadcloth coats, strongly remindful of the clergy, also one of those black bow ties. However, he is also sporting a suit of black and white checks, which is never worn in connection with a representative of the ministry, and that is where the doubt enters.

We were all glad to see Joe Wagner once more when he came back to Franklin recently, but were also sorry to see him return to Alliance again, for he took his family, this time, with him, and will now make his home in Alliance. However, as long as Joe is still with the old American Steel Foundries, the "ranks of the family" remain unbroken. His many friends at Franklin Plant, as well as those who do not work for the American Steel Foundries, will miss him, and we hope that he will continue the good work.

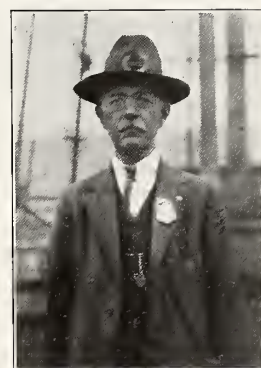
Franklin Works was signally honored the other day when Mr. Charles M. Schwab and party paid a visit to the Franklin Plant of American Steel Foundries.

P. P. Allen took advantage of the vacation caused by Memorial Day falling on Monday to take an automobile trip to Alliance for a short visit with his mother, who has just returned from wintering in the South. Fine weather was in vogue and the entire party enjoyed themselves.

A number of our employes here have been witnessing games lately between Franklin and Oil City, both of which towns maintain big league teams.

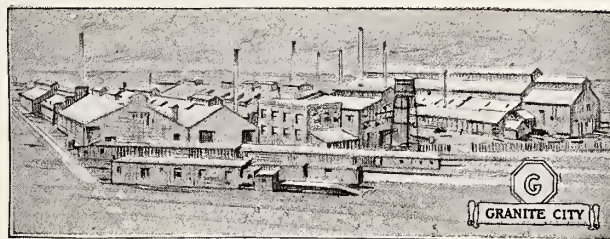
Ira Jones claims to be the author of this new fish story: He had packed his rod and his basket and his tackle and his flies and was indulging in a last chat with his friends before departing on his fishing trip. Every year he spent his holidays this way. "Is there good fishing up there?" inquired an envious one. "Glorious" responded the enthusiast. "Any trout?" demanded a second one; "Thousands of them," responded the fisherman. "And will they bite easily?" put in a third, with increased interest. "Will they bite?" repeated the enthusiast, "Why, they are positively vicious, a man has to hide behind a tree to bait his hook."

Charlie Richardson, Pattern Storage Foreman, and Dud Warner, former Works Engineer, started on a fishing trip recently which terminated quite abruptly on account of "Dud" scaring up a rattlesnake of medium size. Although there were no fatalities, the desire for fishing was gone and the boys returned home with two trout to their credit.



E. Sebastian, 2 years' service, Day Watchman at Franklin

Chick Singleton intends to spring something on us in the near future, as he told us the other day to have the entire center page of THE OCTAGON reserved for the big surprise. We certainly are living in anticipation and only hope that Chick will like it as much as we will, but whether it's a new automobile, triplets, or a new fish story, we cannot say.



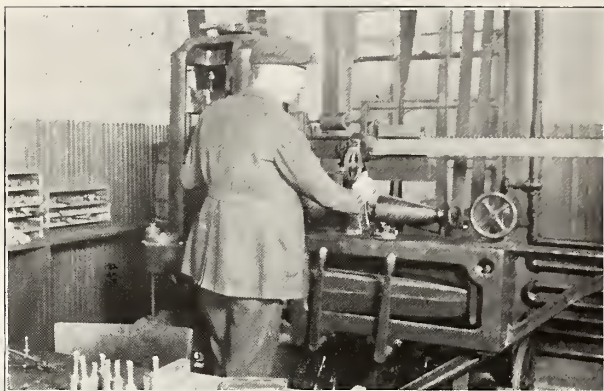
## Granite City

Mr. A. H. Robertson, Night Yard Master, has returned to work at this plant after an absence of several months.

Mr. Ed Duncan holds the speed record for painting, having covered his home at the rate of three square yards in five hours.

# THE OCTAGON

Mr. J. E. Robertson, Yard Master, took his vacation the early part of June.



Edward Hourston, Engineer of Tests, 8 years' service at Granite City

Mr. "Irish" as he is commonly known has resigned in the Wheel Department and joined the Foundry force as a mold checker. "Irish" is working hard to become a Finisher.

Recipe for Mr. Charles Brandt's favorite dish: 750 lbs. new sand, 250 lbs. old sand, 30 lbs. fire clay, 20 lbs. black core compound, 15 lbs. Ajax. Mill 1 minute, dry, add glutrine water and mill five minutes. Serve in pouring cups.

"You tell 'em, Haircut, my sideburns" recently won one dollar in the prize contest for the best and most original "You Tell 'Ems" conducted by a St. Louis newspaper. This phrase was submitted by Mr. Luke Van Buskirk, Clerk in our Time Office.

The Core Department has been working Sunday mornings in order to keep up with the Foundry, and the Foundry has been working overtime in an endeavor to keep up with the Open Hearth Department, which has been breaking all previous records for Production. On May 25th, First Helpers Henderson and O'Haver produced three heats in No. 3 Furnace making the first heat in six hours and fifty-five minutes; the second in six hours and forty minutes and the third in six hours and thirty-five minutes. This remarkable record is attributed somewhat to the fact that Mr. Ed. Crabtree, Melter, was unable to attend the Carnival for the first time in five years, and declared he would get even with the Boys by making them all work to take care of the Metal. In spite of this it is reported that "Darby" Jones and Charlie Doty found time to steal away and attend the Big Show two or three times while it was here.

Jimmy Dickey, a Special Apprentice, hailing from Indiana Harbor, has decided to stop at our Plant for a few months.

Joe Biesk recently requested to be put on the Night turn, giving as his reason that all Victrolas and Piano Players in his neighborhood were reporting on the night shift for constant duty, making his hours of rest a hideous nightmare.

Mr. John Wallace has been executing a little of his tonsorial art this summer by trimming the lawn at the Plant.

Mr. Thomasen has returned to this Plant and is assisting Frank Rotter with his manifold duties in the Repair Department.

Mr. C. Ruhlmann, our file clerk, has taken up the science of truck gardening. Charlie has planted a very large variety of vegetables in his garden and also reports a goodly number of flower beds in bloom. The garden craze has also struck Messrs. H. J. Fechte and John P. Sauerwald.

Mr. J. B. Peters is a hard man to keep track of. Any news item about "Pete" sounds old before it gets in print, because J. B. is on the move so much. A few departments in which "Pete" has worked lately are: Foundry, Yard, back to Foundry, at present he is working in the Boiler Room.

Mr. Fred Butler, formerly employed as clerk in our Storeroom, is back again, serving in the capacity of Foundry time-keeper.

Dan Garner, a Chainman of the Drop, had his picture taken while standing alongside of the pear-shape weight. Dan says he hopes they will not print the picture in THE OCTAGON for he is afraid the folks will mistake him for the weight.

Mr. Wesley Koenig, now employed as handy man in the R. & M. Department, can do anything from Switchman's duties to automobile mechanic.

Mr. Tom Tyler is king of them all when it comes to oiling charging buggies. Tom uses a compound of black oil and cup grease, which he claims will hold to the axle longer than any other lubricant.

Our No. 6 Sand Mill has undergone an operation and Drs. Prout and Ortmann report a vast improvement in its digestive tract.



## Granite City Again Breaks All Records

First Helpers, Bob Morgan and Hugh Clark, of the Open Hearth Department, were the recipients of checks for \$50.00 each as a Bonus for the remarkable run made with No. 4 Open Hearth Furnace. This Furnace made its first heat of this run on October 9, 1920, and on May 16, 1921, was shut down for its first repairs, after making a total of 511 Heats. The roof was still in good shape and looked good for fifty more heats but other parts of the Furnace were weakened so that it was deemed advisable to shut down in favor of a newly repaired Furnace. The average actual time for each heat, over a period of April 1st to May 1st, was seven hours and forty-four minutes, which is going some for a basic Furnace of that capacity.

Mr. John Shearer has become a full-fledged member of the Loyal Order of Fleas.

Mr. Milo Cherry, is now working in the Core-room and likes it.

The members of the Granite City organization held their annual frolic and "Mulligan" at the Water Works Park, on May 11th. Posted high at the entrance to the picnic grounds was a sign reading, "Abandon Hope, All Ye Who Enter Here," the significance of which was not fully realized at first, but it was fully comprehended by those present before the day came to a close. About noon, the hosts of "frolickers" began to arrive. There were in all about a hundred and fifty persons there. So



Left to right: Phil Lauff, E. Phillips, P. Hackett, R. Sonquist, W. Day, C. Walcher, H. Gulick, F. Griffin, A. Kuhlman, W. Casey, R. Taylor

the use of "chips." The weather was quite warm and "soft-drinks" were muchly in demand. In fact, there was one delegation which scarcely found time to leave the shady tree under which the refreshment stand was located. There were several



Left to right: Henry Thiele, Geo. Marqua, Chas. Brandt, W. Casey, Ellis Turner, I. Watson, J. Evans, Geo. Mann, J. P. Begley, Brute Byers, O. Heineman

wonderful voices among the assembly and the most sung ditty seemed to be "Sweet Adaline." "My Little Irish Roash Za Sweetish Flower That Growsh," ran a close second. A military drill, with banner and speeches concluded the program of the "Noisy Section." Some of the less thirsty brethren contented themselves with playing "Horseshoes," but all grew discouraged when challenged by our champion, Mr. Frank May. Before leaving the grounds, those who had not "abandoned all hope" gave three cheers for the Committee who were responsible for the affair, Messrs. H. J. Fichte, W. P. Anson and Marion Crabtree.

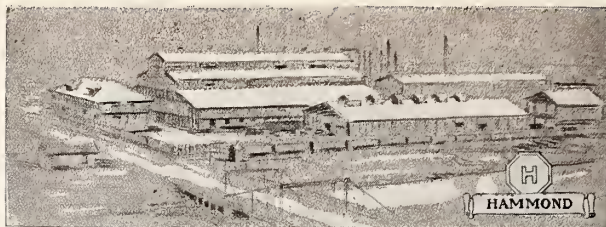
Mr. B. L. Compton and wife after spending two years of their married life in a furnished flat have succeeded in securing rooms where they are now—housekeeping? They welcome their many friends, providing they come after breakfast, bring along their lunch and beat it before supper time.

Mr. W. J. Hess, of the East St. Louis Works, has been transferred to Granite City. Bill's many friends are glad to have him in their midst.

Great opportunities come to those who make use of small ones.

Unless one "lets down," one is quite certain to "blow up."

many attractions were to be found that it was a difficult matter to decide upon the one most popular, but, in all probability, the game of "croquet," which was played on specially constructed tables, proved to be the greatest drawing-card. Another game quite popular was "Old Maid," played without



## Hammond

As a means of saving repair bills would recommend George Engleman investing in a garage. His car is again laid up, awaiting new gears. If the good work is kept up long enough, Georgie will have practically a new car.

Mr. M. E. Hughes, Clerk in the Spring Department, took his wife and little son on a shopping expedition, recently, in Chicago.

A particularly good picture of C. E. Bauer, former Works Manager, was recently hung in Mr. G. H. Austin's office.

Chas. Dickman, of the Cost Brake Department, is now Assistant to Walt Halfman of the Time-keeping Department. O. B. Thornberg, Time-keeper, was put in charge of the Cost Department of the Clasp Brake. N. J. Doe has been placed in the Cost Department, while Joe Mecum has been changed from the Cost Department and is Paymaster, as well as assistant to W. H. Spellman, Assistant Auditor.

A. McNab, Supply Agent, is doing the hobble these days, owing to a crank slipping when he was cranking a Ford.

Our Employment Office and fence surrounding it have been given a coat of red paint, which improves them immensely.

We extend our sympathy to Mr. Hymes whose grandfather, Pat Boyle, died recently. Mr. Hymes is stationed in our Hohman Street Clockhouse and in his spare moments does very effective work in our flower garden.

A new camera, taking 8x10 pictures, has been obtained for our chemist, T. E. Worley, who is also our plant photographer.

We are glad to report the return to work of "Happy" Stevens, who was quite badly hurt when his car turned over in a ditch.

Joe Mecum, Edward Daley, Harold Ohr, Emil Ohr, F. Richwine, G. Kantrovich, H. F. Ruel, L. Prechtel and Scott Robins all took advantage of Decoration Day holidays and visited friends and relatives elsewhere.

W. B. Martin, Assistant Superintendent, Brake Department, claims to be there when it comes to raising fowls. How about catching a few off the bat, Martin?

R. L. Badger has been transferred to the Accounting Department. Keep up the good work, Roy.

When it comes to playing baseball, Mr. Neuman, Foreman of Assembling Department, is sure there. Maybe that is the reason that he is good at "knocking out" brake beams. Put 'em over, Butch!

Al Fortensen has organized a "Booster Club." Now bring on the baseball team and we are all set.

E. S. Cooper, Chief Draftsman, spent a few days recently at Galesburg, Ill.

Frank Richwine, Superintendent, Spring Shop, has sold his Dodge car and is sporting an Essex; Mike Huber, Carpenter, has traded his Dodge for a new Paige; A. Sparrow, Master Mechanic, recently bought a seven-passenger National, while Mr. Moonshower, Pipe Fitter in the Spring Department, has a new Haynes.

R. Elster, Shipping Clerk in the Spring Department, was a delegate to the Musicians' Convention in St. Paul, Minn.

R. G. Conde, Assistant Superintendent Bolster Shop, had his Chandler touring car stolen May 30th. On June 1st, the Chicago Police discovered it abandoned on a side street, minus spot lights and tools. R. D. Pettit is commuting these days, his Ford Sedan, also, having been stolen.



William Schroeder, 16 years' service, Engineer at Hammond



Fred Brose, Material Clerk, has again been elected as trustee of the E. B. A. from the Hammond Plant.



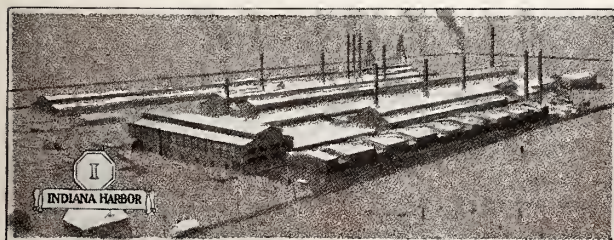
Joe Ernst, 2 years' service, and Nick Lynch, 20 years, Truck Drivers at Hammond

Miss Esther Schaeffer, Stenographer in the Spring Department, has assumed, in addition to her regular duties, the stenographic work in the Supply Department and Engineering Department.

Pete Kelkins, of the loading gang, is noted as the strongest man in the Plant, being able to lift a 200-pound spring with perfect ease.

Mr. Peter Dufrane, Master Mechanic in the Spring Department, has rented a cottage at Cedar Lake for the summer.

Barney Conrath and his wife celebrated their Sixteenth Anniversary with a theatre party and dinner in Chicago.



## Indiana Harbor

The new sky-light installed in our Coreroom has made a remarkable change in the shop. Several of our coremakers have disposed of their glasses, and yet, we lost the Award for Good Order.

Mr. Charles "Irving" Greiser intends to move his desk down to the Production Office, now that the new classification has been pronounced O. K.

Stanley Lind, Secretary of the Works Council, has returned after spending a pleasant vacation.

Myron Marrell, Payroll Department, has given up the duties of Timekeeper and is now "Time Catcher" in No. 1 Foundry Office.

Mr. Bill Schmeir, of the Shipping Department, has purchased a "Henry Touring Wagon," and the boulevards of Chicago will notice a big difference.

It was with deep regret that the Indiana Harbor Works learned of the death of Mrs. Andrew Koch, wife of our Assistant Shipping Clerk.

Mr. Andy Schubert has returned to the Foundries after a tour of the "Golden West." He is now Molder's helper in No. 1 Foundry.



Mrs. M. LaBelle, Stenographer, 1½ years' service; and Miss M. Firszt, Stenographer, 1 year. Back row: W. E. Greene, Chief Order Clerk, 10 years' service; A. Wopat, Order Clerk, 3 years; and C. Boebel, Promise Clerk, 4 years, Order Dept., Indiana Harbor

"Big Joe" Walowitz, Asst. Foreman of No. One Coreroom, has developed into a real chauffeur in the handling of the electric truck installed in the Core Room. The only bad feature about his operating is his failure to use the bell when rounding corners.

Eight additional watchmen were added to our force recently. We are now prepared to extend our watch service. If you are in need of additional protection make your request either to Fanny or Dick, and your worries will cease.

Herman Erkenwick has been transferred to the Day force in the Accounting Department, after spending several months as Storeroom Clerk on Nights.



Harry Voight, Supt. No. 1 Fdry.,  
17 years' service, Indiana Harbor

The Indiana Harbor Plant was shocked at the sudden death of Mrs. Sarah Davis, from an automobile accident. Mrs. Davis was the mother of Richard Davis, C. M. & A. Foreman of No. Two Foundry, and his many friends extend their sympathy.

The concrete gang is to be complimented for its hard work in laying a new floor in our much talked about Coreroom. Also special mention of the genuine sandwiches that were served to the threshers, accompanied with home made Java, made the work less tiresome.

Mr. W. E. Feters, Acting Works Auditor of Thurlow Works, was a recent visitor to our Plant and the boys received him in their usual costume, overalls and jumpers.

The Plant has lost one of its best dining room ladies, in the resignation of Mrs. Bertha O'Halla and she will be missed by those who have sampled some of her good cooking.

The new core benches installed in our Coreroom have added to the improvement now being made. Mr. W. H. Parker is to be complimented on his clever idea, the same old story of "Overtime Bill."

The "Structural Iron Trio," namely, Parker, Hildebrand and Davis, have been busy putting up new core benches, core racks, ladle bales, etc. The new equipment was installed on No. One side and to date many encouraging remarks have been said about their work.

Unit Number 44-L-1 has developed into a genuine competitor to Delaney-Heald Co., and is now in a comfortable position to handle all gents' garments. Mr. Brandes discovered the new scheme.

When the monthly inventory was taken, the boys working on same enjoyed cigars, Java and sandwiches. Our friend, "Jake" Stoll, carried away the honor of "master of ceremonies" while the eats were being distributed. Hooray for "Jake."

Mr. F. A. Lorenz, Jr., Works Manager, spent a few days in Denver last month on business.

The "Pullman Twins," Stewart and Kilboy, are now settled in their newly painted drafting room and report the job as first class.

Mr. Bob Ward, No. 1 Coreroom Foreman, has returned to work after suffering from an infected hand. Mr. Ernest Skelton is also back on the job, and the same report can be made regarding Mr. C. Hoover, Pattern Carrier.

Superintendent H. G. Voight has purchased a new Buick Coupe. He always comes back, this being No. 5. Also a handsome Buick Touring Car was discovered standing at the curbstone in front of Mr. Bob Ward's home; later he admitted the "Old Kidney Buster" had its day, and he was due for a new buggy.

Mr. J. O. Bailey, Yardmaster, acted as best man at the wedding of Mr. F. L. Judy, Freight Conductor, and Miss Helen Du Bois.

Mr. Hugh C. Dugan, Special Apprentice, who has been ill since last October, paid us a recent visit. Hugh says he is feeling great these days and expects to be with us again in a few months.

Mr. Frank Covert, Handyman in the Machine Shop, who has been sick since March, at this writing is convalescing, and it is expected that he will report once more at the Machine Shop soon. His many friends wish him a speedy recovery.



Pittsburgh

Joe MacCord is so chesty these days that he needs considerable room in the vicinity of his shirt where said chest is concealed. He made a two-bagger in the recent game.

The office force is witnessing quite an exciting romance since one blonde and one brunette have been transferred to the Order Department.

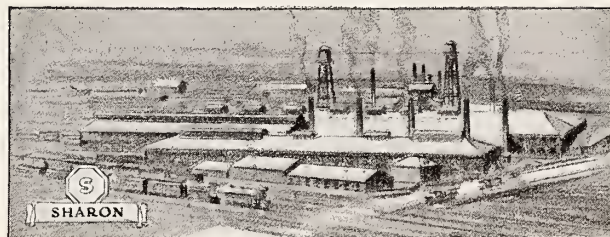


The Pittsburgh Railways Company will likely declare an extra dividend next quarter because Homer Freese has sold his flivver.

Red Tuckey, Rudy Arn, Bill Arnold and Joe Mac have organized a sidewalk quartette. They entertain the rooters at the mushball games. This is the reason we have not lost any games this year.

"Toots" and "Flossy" do not work for the American Steel Foundries but they *do* root for certain players on our ball team.

Elmer E. said he is going to get married and then he won't need to work. Say, someone put him wise to the fact that that is just the time a fellow commences to do some honest-to-goodness work. (It is a shame to bring him out of his pleasant dream, but it has to be done.)



## Sharon

Messrs. Dunlap and Moses spent the day at Sandy Lake recently, fishing? On their return all the news they had was, "Oh, well, we could have done worse; fifty-fifty; will do better next time."

Mr. Marshall Post, Works Manager, is quite a chicken-fancier. He had the misfortune of cutting off the best chicken's head in a recent fight with one of his own chickens. (They sell metal bands for the purpose of recognizing chickens. Why not invest?)

"Ted" Davies and Albert Moses attended the field meet of the coon hunters of Mercer County recently and after looking the dogs over very closely, "Ted" decided that a certain hound looked like a sure winner and so placed his money. After the dogs followed the trail for some distance, "Ted's" dog got lost and when he went to look for him he was going the opposite direction, with a five-pound piece of cheese in his mouth. Now Davies wants to know if his favorite is a coon-dog or a cheese-dog.



Hilda Voelker, Stenographer, one year's service at Pittsburgh

Ack O'Neil, of the Production Department, formerly from our Franklin Plant, seems delighted that he is located at Pittsburgh. Thus far, he has been here five months and has met two girls. However, Ack attended a circus here recently and we feel that he must have enlarged the scope of his acquaintance. (Ask Tom Bennett and Pepper Hein what they have to say on the subject.)

List of Foundry Questions for your Perusal:

1. Why is a Defective Casting and how?
2. What are Foundry Costs and how much?
3. Is a Perforated Chaplet any relation to Switzer cheese?
4. What is Low Phos. Scrap and who started the fight, anyway?
5. How comes a "Misrun" and who opened the "Gate?"
6. If a casting is "Pickled," who got the "raisin-jack" for it?
7. If a "Stocker" stocks, how much does a "Charger" charge? How do you know?
8. What relation to "Slack Coal" is old "General Business Depression?"
9. If a casting has "Fins," can it swim? Did you ever see such a performance and where? Be explicit in answering.
10. Who in the dickens invented overhead and what is the best way to distribute it?



D. G. Lewis, Repair Department Clerk, two years' service at Sharon

Mr. A. D. Allen, formerly with the Sharon Plant of the American Steel Foundries, but now with the McConway & Torley Co., of Pittsburgh, was a recent visitor in Sharon. Arthur and family are looking fine and enjoying the best of health.

If the challenge issued in the May OCTAGON from the Granite City Plant for a game of cork-ball had included all the Plants, it most certainly would have been accepted by the Sharon Works as there are a couple of old-timers at that game here that keep themselves in the pink of condition and are open for a game with any and all.

We hardly recognized our old friend "Bud" in the garb of a fisherman.

We haven't, as yet, received any report as to whether the Pullman, with George Engleman driving, arrived at Hammond.

Golf, cow pasture pool and dude shimmy are getting quite popular here as the weather is ideal.



**General Offices**

Mr. Richard Cunningham, of the Cost Department, recently joined the ranks of the Benedicts. "Congratulations, Son."

Gertrude Houlihan, of the Purchasing Department, returned from a very profitable vacation "All Moonburned."

Overheard in the Purchasing Department — "You will have a Hot Time getting Cold Rolled Steel Today!"

Jimmy Shields, "our mail boy," says he does not know what a "Mulligan" is like, but he would be willing to go to Granite City to find out.

Miss Margaret A. Troy has resigned her position as Stenographer to become the bride of Mr. James Brown, of Chicago.

Mr. A. A. Hurrie, of the Accounting Department, left on the 11th of June on a two-month leave of absence, to visit relatives in Scotland.

The engagement is announced of Miss Ethel McHugh, of the Wheel Department, to Mr. Wm. G. Jarchow, of the Accounting Department. The date for the wedding has not been set.

Miss McLaughlin, Secretary to Mr. J. W. Dalman, of the Sales Department, was absent recently, on account of the illness and death of her mother. Her many friends in the General Offices extend their sympathy.

A Pluvius Day has no terrors for Gus Stromgren or Helen Guilfoyle, of the Purchasing Department. They both attended a Bunco party recently and each won a silk umbrella.

Tony Schagaman returned from his vacation looking rested, but with rather a husky voice, due to overmuch rooting for the Cubs.

Miss Hilda Schreyak, of the Accounting Department, had very interesting tales to tell of her three-day visit to Lafayette, Ind., attending the Purdue Commencement Exercises.

Mr. F. S. McNamara, Denver Sales Agent, paid the General Offices a flying visit last month, en route to Colorado after a stay at Hot Springs, Arkansas. Mr. McNamara has promised to send THE OCTAGON a good photograph of himself, for future insertion.

The recent announcement of the marriage of Mr. Richard C. Smith, of the New York Office, to Miss Marion Robillard, has been received by THE OCTAGON.

The following Code Book pages have been revised since the last issue of THE OCTAGON.

59 (dated 5-6-21), 3 (dated 5-5-21), 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142 and 143 (all dated 4-18-21), 122A, 144 and 145 (dated 5-2-21), and 146 (dated 5-15-21).

Mr. Trevor Jones, of the Anchor Department, recently visited the Indiana Harbor Works. Mr. Robert Bong, Mr. H. D. Hammond's office, also was a recent visitor there.



Mr. F. Dougher, Assistant to Fourth Vice-President, has become a golf enthusiast; at least one would judge that from the healthy coat of tan he has acquired.

Mr. T. Mason Bainbridge has caught the back-to-nature idea, and spends his week ends in the forest preserves.

A meeting of the various American Steel Foundries Works Managers was held in the General Offices on June 15th. Mr. A. Robertson, from the Alliance Works, Mr. R. S. Munson, from Thurlow, Mr. P. J. Ward, East St. Louis, Mr. P. P. Allen, Franklin, Mr. E. Walcher, Granite City, Mr. G. H. Austin, Hammond, Mr. F. A. Lorenz, Jr., Indiana Harbor, Mr. H. W. Petty, Pittsburgh, and Mr. Marshall Post, from Sharon, were in attendance. All expressed themselves as being pleased with the Chicago weather, which on that day was ideal.



## Alliance Works Council

In the recent election to replace Mr. Harry Richardson, petitions were distributed in the Pattern and Core Departments, and nominations resulted as follows:

George Woodward, Metal Pattern Maker	39
C. O. Kille, Core Maker	16
W. F. Houk, Wood Pattern Maker	4

At the election which was held on May 16th, George Woodward was elected as Employee Representative by three votes.

The Athletic and Entertainment Committee of the Works Council is arranging for a basket picnic for the employes and their families to be held at Rockhill Park on August 12, 1921. A good time is anticipated, as the Committee is untiring in its efforts to make each undertaking a success. Games and amusements of all kinds are being arranged for both young and old, fat and lean. Bring the kiddies.

On the occasion of "Stunt Night," a Loving Cup was purchased by the Athletic and Entertainment Committee of the Works Council, to be awarded to the department putting on the best feature of the evening, this award to be decided by the audience. Ballots were distributed at the door to all persons

who entered, and collected as they went out. The result of the vote awarded the cup to the C. M. & A. Department, which produced the Buck and Wing dancing stunt. The cup has been engraved with the following, "Stunt Night," Awarded by Works Council, C. M. & A. Department, May, 1921." This cup is temporarily awarded to the Cleaning Department and will remain in their possession until the next Stunt Night. As the first entertainment was such a huge success, it has been decided to hold others, and the cup will be engraved with the name of each winning department, with the date, and will be held by that department until subsequently won by another.

## Chester Works Council

The recent election for Employee Representative from Division No. 1 of the Works Council resulted in the election of John (Whitey) McNicholas, No. 1 Foundry Molder, to represent that Division. Whitey is a good wide-awake Representative and should take care of the men in his division in fine shape.

## Granite City Works Council

Mr. O. A. Schleff was elected a member of the Works Council to represent the Cleaning and Finishing Department, where a vacancy existed.



## At Alliance Works

Russell ("Baldy") Reest and Charles ("Chill") Bankard can be seen each noon hour playing "Rum" for a penny a point. Charles has an edge on Russ, as the writer observes the latter is always paying. Another favorite noon-hour sport is pinochle. The boys here sure play a mean game. We hereby issue a challenge to the other Plants for a match game.

The Dunbar Athletic Club, of the American Steel Foundries, sure made a hit with their new uniforms, with the American Steel Foundries OCTAGON looming up, when they opened their season recently at

Rockhill Park. They played the Chevaliers Club, of Youngstown, one of the leading baseball clubs in this section, meeting a defeat of 4 to 2 after a hard-fought game, each team making three hits. The features of the game were the pitching of Parks and Heard and the fielding of Snodgrass. Again, on June 5th, defeat was met at the hands of the Dubois Club, of Ravenna, Ohio, in a free hitting contest, with a score of 11 to 8.

## At Chester Works

Harry Johnson, Patternmaker, and centerfielder supreme on our Baseball Club, has been made Captain. Harry knows the old game and the boys should come along first rate under his direction.



A. S. F. Baseball Team, 1910-11-12. No. 1: A. Bulger, Shortstop; 2, A. Rankin, Pitcher; 3, L. McDowell, Catcher; 4, E. Boulden, Outfield; 5, Capt. W. C. Cadwalder, 3rd Base; 6, G. MacDonald, Manager; 7, F. H. Leutchum, 2nd Base; 8, E. Bryan, 1st Base; 9, Chester Neal, Outfield; 10, Harry Johnson, Outfield; 11, Barney Gorman, Outfield; 12, G. Rankin, Sub.; 13, J. Luttrell, Chief Clerk; 14, J. Jones, C & M Foreman; 15, Joe Watson, Foundry Foreman; 16, Chas. Dum, Molder. This club won the championship in the Chester City League, 1910-11-12

Reds McGuire, formerly Pipefitter, and the Ace of Twirlers in this District, is pitching for the newly organized Chester Club, of this City. We all wish Reds luck but he surely had to go some to beat the old American Steel Foundries Club to the tune of 7 to 6. The Plant Team deserves great credit for playing such a close game for practically all the Chester Club players have had big league experience, with Haeffner of Pittsburgh doing the receiving, Press Cruthers, Rube Cashman, Honig, Ayau, Spaulding, Berry, etc.

## At Indiana Harbor Works

Some light hearted shop employe has suggested that the next time "Red" Davis participates in a

ball game, he should equip himself with "Shock Absorbers" — this will eliminate the smash-ups on Canal Street.

Our tennis courts have been rolled and remarked with plenty of the players anxious for a match. The Messrs. Osman, Stoll, Dixner and Evans are considered the Plant's best, when it comes to the game with a racket.

A party of twenty-four employes motored to the White Sox Ball Park recently to witness the great "Babe" increase his home run records. Several wagers were made and lost owing to free tickets issued by the Sox twirlers.

## At Pittsburgh Works

The lid of the Lawrenceville Industrial Indoor Baseball League was formally pried off when Pittsburgh Works put to rout the McConway-Torley team, of this neighborhood. Both teams were in mid-season form, but the American Steel Foundries solved McConway's pitcher early and piled up seven runs to the opponent's three. Hilson and Haggerty, pattern tenders, were the battery for American Steel Foundries and have been nicknamed "American Steel Foundries Storage Battery" with enough pep to make any baseball machine go. Lou Myers played a cracker-jack game on first. MacCord, who occupied the hot corner, performed like a veteran, and with O'Neil and Tuckey on short and second, the infield looked like a million-dollar combination. Collins, Rabel and Arn played the outer gardens and acquitted themselves nobly. Due to injury in the early part of the game, Tuckey was forced to retire, giving place to Brown, who played bang-up ball.

Judging from the splendid showing in the opening game, Pittsburgh Works will have a great season. The American Steel Foundries Team had a good crowd of supporters on hand, the ladies, especially, being well represented.

Ack O'Neil, our brilliant short stop, loafs around the Hotel Schenley every night waiting for Rabbit Maranville to come out. They are very intimate friends. There is no jealousy between them, but we hope that Ack does not jump from our team to the Pirates.

In a recent game Harry Brown scored two runs. Upon being asked how he did it, he was unable to explain, but we were told that he was pushed around the bases by the other players.



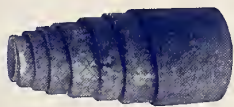
# Company Products



Cast Steel Rack Trolley Side



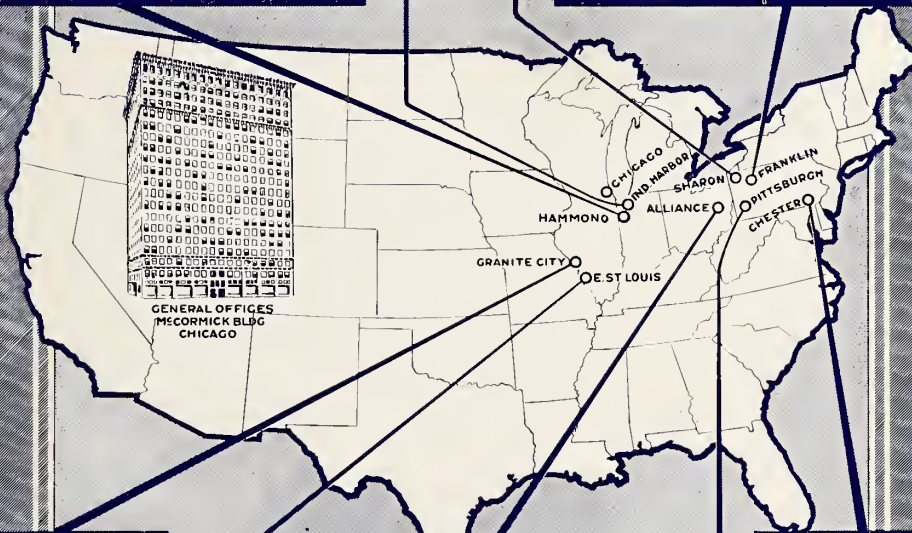
Cast Steel Vulcan Side Frame



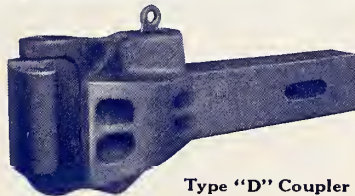
Volute Buffer and Draft Springs as used on foreign freight equipment



Cast Steel Engine Base



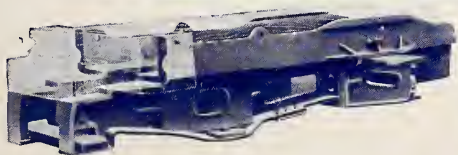
Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







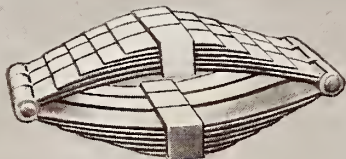
# THE OCTAGON

|| August, 1921 ||

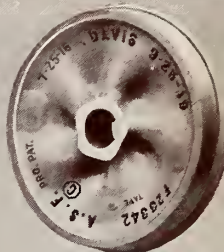




# Company Products



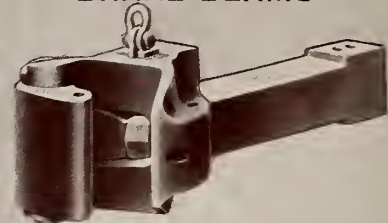
**SPRINGS**



**DAVIS  
STEEL WHEELS**



**AJAX AND HERCULES  
BRAKE BEAMS**



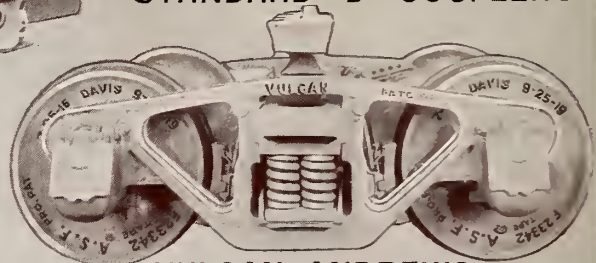
**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



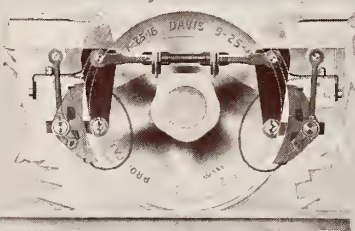
**ECONOMY CAST  
STEEL DRAFT ARMS**



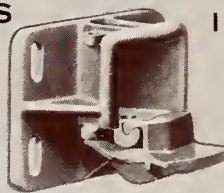
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



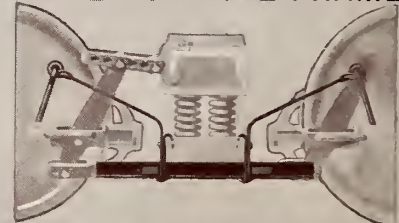
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



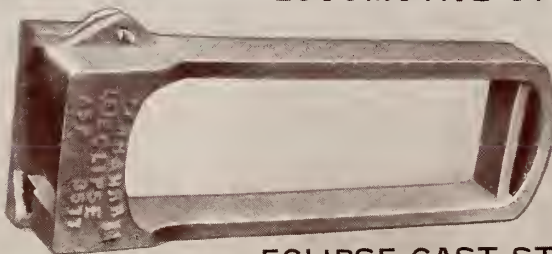
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**



*H. J. M.*



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NUMBER 20

## FURNACE OPERATIONS IN THE PITTSBURGH PLANT

By

J. M. HOLMES, Head Melter, Pittsburgh Works

**A** HISTORY of the early successes in the development of the Open Hearth process, after repeated failures following struggles and hard work, would form quite a romantic story, but time and space compel me to confine this paper to a much narrower limit.

The term "Basic" is applied to the various processes of steel manufacture, when the operations of melting and converting are carried out upon a magnesite bottom, but on account of the fact that at Pittsburgh Works we use only the "Acid" process, I will dwell chiefly on the latter.

### The Bottom

Before we go into detail regarding the matter in which our process is carried out, from the time of the charge to the tap, many preparations must be made so that the heat may be handled properly when melted.

First of all the bottom, which may be described as a basin of sand, must be perfect so as to prevent a runout. This bottom is prepared by the melter and helpers, who, while

keeping a steady hot flame in the furnace, apply thin coatings of silica sand, which mass or burn in under the intense heat, forming a perfect steel container, known among steel men as the "bath." This bath, above all, is given special care as upon it largely depends the grade of steel produced.

### The Spout

The passage through which the hot metal passes from the furnace to the ladle is known as the spout, which is made of steel and attached under the tap hole. This is about four feet long and tapers from twelve to eight inches in width. The bottom and sides are lined with two-inch fire-brick, which, in turn, is covered with a coating of loam, used mainly to protect the brick, which otherwise would have to be replaced often. A light coating of sand is then dusted over the loam, to prevent cracking when gas is applied for purposes of drying. This forms a perfect lining over which the steel will flow freely.

## The Tap Hole

At the inner end of this spout there is a hole which opens into the furnace. This is known as the tapping hole or outlet for the hot steel. The hole, which is formed when the furnace bottom is being burned in, measures about eight inches in diameter and is similar to the bottom in solidity. When the furnace is being prepared for the charge, the tap-hole is opened and scraped with hooks and bars until it is perfectly clean. When its condition is satisfactory to the helper, sand is put into it through the spout and held there with the stopper while wet sand is packed into it from the front. When all openings are entirely closed, gas is applied and the sand bakes into the hole, forming a solid stopper.

When the heat is ready to tap, the tapping is done with a steel bar about eighteen feet long and two inches in diameter. This bar is hammered through the sand into the furnace, thus allowing the steel to flow into the ladle through a two-inch outlet. After the steel is out of the furnace, the tap hole is cleaned immediately so as to prevent freezing of the steel in the hole. Not only the two-inch opening is cleaned but all the sand used to close up the eight-inch hole is broken down by use of hooks and bars. After all the slag, steel and sand have been removed, the hole is again stopped with sand and pronounced ready for a recharge. Many plants have tried this same method of stopping and opening the tap hole, but without success, the general complaint being that the sand used formed too solid a mass to be removed without sledging, and, for this reason, coal and coke are generally used.

## The Ladle

The next thing to be considered is the steel conveyor from the furnace to the molding floor, called the ladle, bucket-like in form, about six feet high and five feet in diameter. This is made of steel plate, about half an inch in thickness, and lined with fire-brick. In the bottom of the ladle a hole, about five inches in diameter, per-

mits the placing of a nozzle through which the hot steel is poured. After the nozzle is placed, the ladleman then forms the second bottom in the ladle with loam, which is packed tightly on top of the fire-brick, sloping slightly toward the nozzle so as to allow all the steel to drain through this outlet. The sides are then covered with a coating of fire-clay, after which gas



Drying the Ladle before Tapping the Heat

is applied until the lining is thoroughly dried. The next step is a wash with a mixture composed of fire-clay, crucible and water. The ladle is then placed under gas and air, which are regulated so as to produce a smokeless hot flame, and so kept until time to tap the heat. The manner in which the pour is started and stopped is one of the most important things in steel pouring and the stopper rod must work perfectly on this account.

## The Stopper Rod

The stopper rod, which is about seven feet long, is made on a steel bar, threaded at one end and hollowed at the other. The threaded end of this bar permits the rod to be adjusted to whatever height is wanted. On the other end, held tightly by a pin, fitting snugly into the hollow end of the bar and held firmly by a key placed through the slot in the bar, is the stopper head or head of crucible. This, which is one of the best known resistants of heat, forms the main part of the rod and must not



only be put on properly but must be perfect in itself to prevent the loss of the heat. A mixture of fire-clay, crucible, sand and molasses is put around the top part of the head and a fire-brick sleeve is drawn down over the bar and placed tightly upon the head. Sand is then packed into the space between the bar and the sleeve and more sleeves are put on the bar, the same process being carried out until seven of the firebrick cones have been put into place. A washer and nut are then put over the threaded end and tightened to prevent steel from coming into contact with the steel bar. The rod is then turned upside down and a damp mixture of crucible is placed into the end of the head left open by inserting the pin. It is then placed beside the furnace to dry for a day or two, after which it is ready to be placed in the ladle to act as a stopper rod.

## The Acid Process

Now that the main points of preparation for the heat have been discussed, I will take up the special process used at the Pittsburgh Works, namely, the Acid. Acid is a term used when the operations are conducted upon a sand hearth using cold charges, which is our practice in melting. The process is carried out by the action of heat from gas or oil, with suitable reducing oxides on hand to meet the necessity.

The charge is made up of pig iron and steel scrap, in its different forms, known commonly as billets, plates, couplers and shop scrap. Our practice being to charge by hand, a peel or long steel charging bar is used to put in the heavy scrap and pig. This is run by one or two men, as is necessary to handle the weight of the piece being charged. It is needless to say that by the time a charge of ten or twelve tons is finished, the first part of the charge is melted, as it takes on an average of one and one-half hours to complete a charge of this size by hand. Where a machine is used, the charging is done much quicker, with less labor and loss of furnace heat, as a ten or twelve-ton charge can be made in about ten minutes, the

doors being down fully half the time of the charge while the change of scrap boxes is being made from the trucks to the arm of the charging machine.

The process of melting these cold charges is very slow. Compositions consisting of a large percentage of low carbon scrap and small amounts of pig iron take longer to melt than a charge with the greater part pig and the lesser scrap. The pig iron melts first, not requiring so great a temperature as the steel scrap. Caution must be used not to underestimate the amount of pig necessary or the furnace bottom suffers from the formation of iron oxide. The gas and air used in the melting are regulated and changed from one side of the furnace to the other by the melter or helper until finally what was originally pig and steel scrap is shaped as a pool of liquid steel. The next thing is a test taken from the steel bath and molded in a small test block. This test is then cooled and fractured to determine the carbon and to obtain the chemical analysis of the steel. The tests guide the melter in finishing the steel at



Method of Charging the Furnace

whatever carbon is wanted. When the desired carbon is obtained, the silicon and manganese are added and a space of about twenty minutes is allowed for them to mix through the molten metal thoroughly. The ladle is then lowered into the pit and the tap hole is opened, allowing the hot metal to pour into the ladle. The ladle is then taken down on the electric crane to the molding floor, where the steel is poured into the molds.

## SYSTEM CHECKS A SAMPLE

By HARRY J. BERTSCHMAN,

Sample Checker, East St. Louis Works

THE checking of a sample casting proves to be one of the most important subdivisions of the Inspection Department, and it is imperative that a very careful inspector be selected for this especial field of endeavor. He should be well versed on all conditions which arise in the production of a casting from the time the pattern is taken from the pattern shop until the finished product is ready for shipment. It is likewise imperative that the sample checker be familiar with all gauging points, also those points requiring clearance in assembling the trucks, to avoid excess metal and extra chipping in the Cleaning and Machining Department. The latter proves vital because it keeps the finishing cost to a minimum.



Harry J. Bertschman

### The Route of a Sample

Upon the completion of molding operation in the foundry a special tag is placed on the mold. The mold is then poured with the greatest possible speed and the casting is forwarded through a special route to the Finishing Department. In this plant this particular route is termed the "short-line." This insures against any unnecessary delay. A red tag is then placed on the casting after which it is roughed and sand-blasted. The sample is now ready for the checking. A special rail for this

work has been placed at one end of the Chipping Room. This rail has been isolated to reduce the vibration from the chipping hammers to a minimum, and further avoid the necessity of carrying heavy loads over the sample checker's head while he is engaged in the minute detail of his work.

The services of a chipper are now called into play. All rough edges and fins are chipped from the casting, and all holes are drifted to insure accuracy, which is, after all, the main thing to be attained in the checking of any sample.

The sample checker consults the district order book in order to insure accuracy in regard to specifications and all proper markings on the casting. The drawing containing the latest revisions is used in the checking of a sample.

### Method of Checking a Truck Bolster

It is important that the initial check be made on the top member at center. This once accomplished, the casting is turned on sides and bottom member, which insures that the entire casting has been checked, and that no vital part has been overlooked.

All dimensions shown on the blue-print should be carefully checked. Where radius is shown a template should be used. The sample report is then made up and all discrepancies from drawing are reported.

A special notation on this report should show where gauging points should be held to the maximum or minimum dimensions. Where such dimensions are not shown advice should be given where casting should be made over or under drawing dimensions to avoid excess chipping.



## Thickness of Metal

The thickness of metal is reported in a special paragraph. This is set up in standard form according to the especial type of casting, as follows:

**Bolster:** Commencing at the center plate and working towards the end, dimensions are taken every six inches until the entire top member has been checked. Especial mention is made as to "gate end," and "opposite gate end," as the thickness of the metal varies from one-sixteenth to five thirty-seconds of an inch heavier at the gate end. Notations are added where report shows metal to be heavy or light, due to strain, core cut, cope raised, or sand burned into metal. Where metal is heavy and casting is not strained, the size of chaplets should be measured, if possible, to ascertain whether the proper chaplets have been used in molding operations.

The side walls are next checked, mention being given to "Monogram Side" or "Opposite Monogram Side." Caution is exercised where top, intermediate, and bottom cores are used in order to detect if cores have shifted in molding. Bottom member is checked in the same manner as the top member.

## Defects in Molding

The casting is next checked for all defects that may occur in molding operations, such as cracks, blows, core crushes, broken cores, drops, and shifts. The sample is then weighed, sample report made up, and a copy of same is forwarded to the Works Manager, and the Pattern Shop Foreman. A consultation is held with the Pattern Foreman regarding changes necessary (if any), before the pattern is placed in the sand. Particular stress is laid on all bolt holes to avoid chipping out clearance for bolt-heads or nuts. The Foundry Foreman is next consulted regarding the placing of cracking strips and chills for the coring out of brackets, or heavy sections of metal where casting is cracked or cracks may occur.

Careful check is kept on molds made in the foundry, and when pattern is first placed in sand three of the "first run" are sent through the short-line and sand-blasted. These castings are then checked for discrepancies that may have been reported on the sample.

Careful attention is also given to all fins and defects which have accrued. Such defects are immediately reported to the Foundry Foreman and the Pattern Foreman by a "Pattern Special" or a "Foundry Special," the original copy being forwarded to the Shop Superintendent. The three castings in question are chipped and weighed. If castings are over the specified average, or under minimum weight, a metal check is taken and any variations are at once reported to the Pattern Shop.

## Short Orders Exclusively

In view of the fact that practically 90 per cent of the production of the East St. Louis Plant consists of short orders and miscellaneous castings it can readily be seen that the sample checker must keep in constant touch with the Pattern and the Foundry Departments regarding necessary changes on the pattern and defects which have accrued.

In order to insure steady production in the foundry, when short orders are run, patterns are constantly being taken out of the sand and others substituted. At times from twenty to thirty-five various patterns are run in one single day and night turn. The classification of these castings runs as follows: Draw Bar Yokes, Body Bolsters, Truck Bolsters, Player Frames, Draft Arms, Equalizing Beams, End Castings and Six Wheel Truck Bolsters. The weight of the finished product ranges from 180 to 3500 pounds.

Regardless of the size of the order, a sample report is submitted on all patterns, and when defects occur a drawing is plainly marked in red, showing the exact nature of the defect and a separate report attached advising just what has been done to remedy this defect — this record being very carefully gone over daily

by the sample checker and the Foundry Defect Inspector. Such reports are made part of a permanent file in the Inspection Department, and when these patterns reappear on the Foundry Schedule, the Foundry Foreman consults this report and endeavors to guard against a recurrence of defects noted. Should new defects arise in operation, these are immediately made a part of the permanent file.

The Sample Checker now gets ready for the next in line. His wait is of short duration because the East St. Louis Plant is a Short Order Division of the American Steel Foundries' organization. The Finishing Department proves to be a veritable sea of various patterns all awaiting their turn at operation to insure being placed in the world of commerce.

## THEIR FAVORITE DISH

Mr. Thos. Howard's (Chipper and Works Councillor, East St. Louis) favorite dish is

### Cherry Roly Poly

Which is prepared in the Howard home in the following manner:

Make into a soft dough two cups flour, two teaspoons baking powder, two tablespoons sugar, three-quarters teaspoon salt, one-quarter cup fat and about three-quarters cup milk. Roll out about one-quarter inch thick. Sweeten red pitted cherries to taste; add two tablespoons of butter, spread on dough, roll up, sprinkle sugar over the top and bake thirty-five to forty minutes in a moderate oven. A little cherry juice may be added just before baking.

Mr. F. M. Brew's (Secy. to Works Manager, Alliance) favorite dish is

### Berry Short Cake

Which is prepared in the Brew home in the following manner:

Sift two cups flour and four teaspoons baking powder together. Add one-quarter cup butter, two tablespoons sugar, seven-eighths cup milk, and one-half teaspoon salt. Bake in pie tin. Place over same two quarts berries, crushed.

Mr. F. Bushman's (Assistant Superintendent Brake Department, Hammond) favorite dish is

### Corn Flake Cookies

Which is prepared in the Bushman home as follows: Whites of two eggs, beaten stiff; add one cup sugar; two cups corn flakes; one cup cocoanut; drop from spoon on well greased pans; bake until brown, in moderate oven.



## What Every Foundry Man Ought to Know

### The Process of Manufacturing Simplex Bolsters

Contribution by  
R. G. CONDE  
Hammond Works

The Simplex Bolster differs from a cast steel bolster in that it is a built-up product, being an assembly of channel, plate and various malleable and steel castings. Generally speaking, a thirty-five-ton bolster requires a thirty-five-pound channel and five-eighths inch plate; a forty-ton bolster requires a forty-pound channel and three-fourths inch plate; a fifty-ton bolster, a forty-four-pound channel and seven-eighths inch plate.

When an order is received, the Drafting Department makes a detailed drawing of the bolster required, from which a wood template is made in the Pattern Shop, showing the proper location of holes in the channel. The channel is then brought into the shop and the holes marked in same from the template by the markers. It is then punched and put through a No. 9 bulldozer, which binds them cold, putting the proper cambre or bend, in them. The fitting gang then takes the channel, after the flange has been punched, applies the king-post, center-plate, cross-plate, filler and side bearings, fastening them to the channel with drift pins. It



is then passed to the riveting gang, which rivets the castings to the channel with a bull riveter operated by compressed air. From there it goes to the No. 7 bulldozer, which wraps the ends of tension plate around the channel ends. These plates are first put through a double furnace and both ends heated. After being cooled, they draw on the channel and increase the amount of cambre; so proper allowance for this must be made when setting the cambre at No. 9 bulldozer. The bolster is then drilled, after which it goes to the hand riveting gang where the end castings and spring seats are riveted on. By this time, the bolster is ready for inspection as to length, between column guides, height, side-bearing clearance, etc. If found correct, it is then painted and loaded. These bolsters weigh between 800 and 1000 pounds each and in the old days they were carried from one operation to the next by a gang of eight men, commonly termed the "pall-bearer gang," but since the installation of air hoists, cranes and trolleys, the slow "funeral" march of this gang is seen no more.

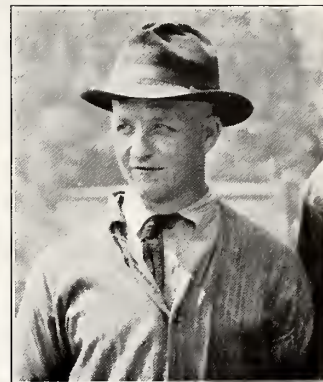
The chief point of superiority in the Simplex Bolster is the ability to carry a heavy overload without taking a permanent set; that is, when the load is released, the bolster will spring back to its original height. The Simplex Works Bolster Shop has a daily capacity of 600 bolsters.



Mr. Chester Montgomery, at present Coremaker at Pittsburgh Works, began with the American Steel Foundries in the year 1908 as a Weigher for the Open Hearth Department of that Works. After spending one year at this job, he took up the work of making Cores, and with the exception of two years, 1913 and 1914, has been engaged continuously in the occupation of coremaking, of which he has made a great success.



Mr. C. H. Richardson, Pattern Storage Foreman at Franklin Works, has the honorable record of more than seventeen years of continuous service with that Plant. "Charley" was one of the first chippers in the Cleaning and Finishing Department and used the old hammer-and-handchisel method of cleaning castings. At that time Franklin Works was producing the old Lone Star Couplers and Miscellaneous Coupler Parts. For six months he remained in this department as Chipper, at the end of which time he was transferred to the Coreroom as Coremaker, where he put in a couple of months. Again transferred, this time to the Pattern Department, he was placed in charge of the storage of all patterns and has so served ever since.



Mr. Richardson is now forty-six years of age and as keen about his job as the day he started. He has recently been engaged in securing an inventory of all patterns in possession of the Franklin Works, involving a most painstaking research.

Mr. Barney Conrath, Inspecting Engineer at the Hammond Works, has been in the employ of the American Steel Foundries for twenty years. Starting in as a Machinist, he was soon promoted to Traveling Engineer and Bolster Inspector, his present position. In addition to possessing good business qualifications, Mr. Conrath is something of a musician, being able to play well on both the piano and saxophone. He recently invented a mouthpiece which is used by many musicians of the present day. Mr. Conrath, with his family, enjoys a comfortable existence in his own home in West Hammond, Illinois.



Many a man thinks he is getting ahead of his work when he is only anticipating his worries.





Vol. V

AUGUST, 1921

No. 20

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

### ASSOCIATE EDITORS

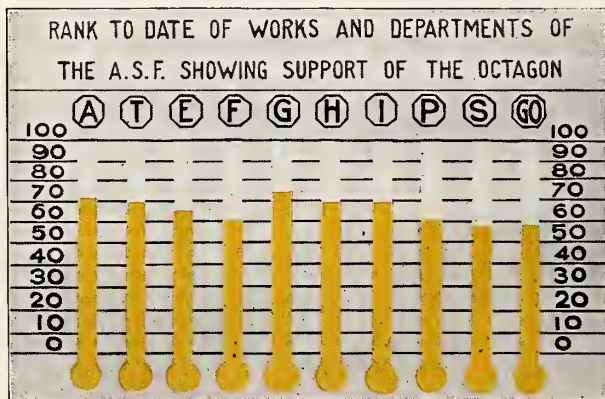
#### Works

J. E. RYAN . . . . .	Alliance
GORDON MACDONALD . . . . .	Chester
J. E. TURNER . . . . .	East St. Louis
H. L. LEYDA . . . . .	Franklin
H. R. MCCOY . . . . .	Granite City
J. MCCLUSKEY . . . . .	Hammond
L. F. ENGLETON . . . . .	Indiana Harbor
J. B. DAVIS . . . . .	Pittsburgh
A. E. MOSES . . . . .	Sharon
D. T. STERLING . . . . .	General Offices

## The Employment Manager's Job

The average conception of the Employment Manager's job is that the man who handles it will be able, by intelligent inquiry, to sift out the manifestly unfit applicants, the men with the poor records, the men who cannot intelligently answer the questions that are put to them, and who show by their attitude that they are undesirable as employes, and to send to the foreman the best applicants he can get, the foreman to judge of the man's final fitness for the job by his actual performance and his shop attitude. Having selected an applicant, the next operation on the part of the Employment Manager of the modern Plant is to refer him to the doctor for a complete physical examination. The purpose of this is not that industry proposes to rid itself of all men who are not physically perfect, but that no man shall be assigned a job that will work a physical hardship upon him. The applicant having been O. K'd by the doctor, it will next be the Employment Manager's job to tell him something of the history of the Plant and what promotional opportunity there is there for him. The new man should then be escorted, personally, to his job by some one from the Employment Office, who, on the way, will point out the safe path to travel, the gate where he is to enter in the morning, the storeroom, lunch room, locker and toilet rooms, and other things in which he may be interested, and then turn him over to the foreman introducing him by name. The latter will shake hands with him, making sure of getting his name right, then explain his new work to him, tell him of any hazards in connection therewith and introduce him to two or three of his fellow-workmen by name. In other words, the new applicant should be invited into some sort of human contact with his fellow-workmen. He should be made to feel that he is recognized as a human being with a soul, not a mere machine. (C. C. Taylor, Alliance Works.)

In these days when the temperature hovers around the ninety mark in the shade, it behooves us to look to our health as well as comfort and avoid any violation of a physical law that tends to impair our resistance to heat. Bathe frequently, daily, if possible. Change the clothes frequently, especially your work clothes. Avoid drinking too much water, especially ice water. Keep the bowels open. When a workman finds that his body is not perspiring as it should, he ought to stop work at once and apply at the Dispensary for treatment. In cases of heat prostration, do not attempt to give treatment of any kind but rush the patient to the Dispensary. If a doctor cannot be obtained, then call an ambulance and send the patient to a hospital. Giving the patient cold water to drink, or drenching him with cold water or applying ice to any part of the body is improper treatment. (F. H. Elam, Manager, Casualty Department, General Office.)

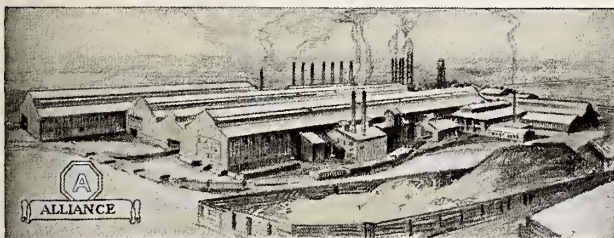


From the inception of the Octagon to August 1st





# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Mr. C. F. McLean, Pattern Foreman, while taking ice off a freezer, recently discovered that it was *cold*.

Every Saturday a delegation from this Plant attends the ball game at Cleveland.

Mr. Harley Coombs, Acetylene Cutter, has a bouncing girl at his home. Mrs. Coombs was formerly a stenographer in the Coupler Engineering Department.

A recent editorial regarding a method of handling flasks gave Mr. Duytschaver credit for same. We have since learned that Mr. F. J. Green conceived this idea.

Messrs. F. Maple and R. McKenzie are the champion concrete mixers.

We thought August was the best vacation month, but have decided to give the flag to July.

The new foundry roof is finished and is a great improvement. The Coreroom has also been white-washed, and the various offices around the plant have been painted.

We cannot understand why Bobbie Hole never came back to visit Alliance while on his vacation.

Mr. Marshall Post, Works Manager, and Mr. T. Davies, Works Auditor at Sharon, were recent visitors here.

Mr. Joseph Stoughton, Assistant Order Clerk, was recently called away by the death of his brother. We extend our heartfelt sympathy to his family.

Mr. W. Robinson, Foundry Clerk, says he does not like to have anyone throw sand down his back. Shame on you, Walt!

It seems as if everyone around here is greatly interested in "Outdoor Cow Pasture Pool," otherwise, "Golf."

If some of the single boys around this plant would step into the Dispensary some day at noon, after the girls have had a dinner down there, the Company would have to look for new stenographers, etc. They sure make some tasty lunches.

## Can You Imagine—

"Jas" Ryan without the Octagon or Works Council?

"Alec" Robertson without his "blue sheet"?

"Jimmy Temple" without his whistle?

Elizabeth Holland without her gum?

Grace Dutton without her Police Gazette?

Dean McCrea without his legs?

George Funkhouser without his voice?

"Bob" Auld without his stogie?

Byron McCausland without a recipe?



Ed Joliet, 15 years' service,  
Metal Pattern Maker at  
Alliance

We recently added a spray to our equipment for the purpose of watering the grass. Mr. George O'Brien, Employment Agent, immediately started to give Jim Ryan a shower bath. Now, Jim has to keep one eye on his work and the other outside. However, George will not repeat the performance.

Tobacco chewers, beware! Do not expectorate on the floor in the Cleaning Room, as Whitey has several blisters on his hands from sweeping the floor. Fair warning to all!

Mr. Wm. Odum, Foundry Labor Foreman, went to Granite City recently to get his Mitchell auto, and H. C. Keysor, Special Investigator, accompanied him. Bill doesn't say much about the trip, so the machine must have cut up a little on him, but from an inside source, we were able to gather the following facts: Just before leaving St. Louis, Bill had some trouble with his engine and had to get under his car to find the trouble; he found it all right but lost his money roll and never discovered the loss until he was 30 miles out from St. Louis. They immediately turned back to find the lost roll, but luck was against Bill. The purse was gone. They started on once more and thought they could get by on the twenty-five bucks Keysor had taken along for his two weeks' vacation, but "up jumped the devil" again about 100 miles out from St. Louis. One of Bill's old tires let go and there was very little left on the rim when Keysor and Bill climbed out of the car to take a look. They rode the rim to the next town and there Keysor loaned Bill twenty of his twenty-five to buy a new tire and tube. This accident ruined Keysor's idea of a good vacation.

After three days of tough sledding, with ninety cents between them, the gasoline tank and oil running low, and facing starvation, they reached Columbus, Ohio, where they looked up an old friend of Keysor's, who lent them a ten spot to finish their trip to Alliance.

Mr. R. McKenzie says the concrete mixer runs worse than some cars he sees around the plant. Whose did you mean, Mack?

We hereby challenge any of the other plants to a fishing match. Rules: Still fishing with worms and catch bass.

We wish to congratulate Thurlow upon winning the Award for Good Order from us but, look out, we are getting ready for the next one now.

We never heard of anyone trying to run an auto on carbon oil but some people think it can be done. Be careful the next time, "Slick."

Messrs. J. E. Wagner, C. B. Alexander, and V. J. Packer recently went on a little fishing trip. They claim to have caught ten bass, three blue gills and one perch. Of course, we did not see the fish.

We claim we have the best office girls in the Company. Um! How good the lemonade tasted that was served by them during the hot days.

As a result of the Cleanup Committee's last round of this Works, the C. F. & A. Department was awarded the honor of being the "Cleanest Department in the Plant." The Yard Department, formerly the holder of this enviable distinction, came second, while the Laboratory, Offices, Lockers and Forge Departments tied on the third.

Our Works Manager and Assistant were walking through the Yard last week and came across our Bulk Material Clerk. In a jocular manner Works Manager asked the latter what the pounds of sand per ton of good castings was for the month. "Oh! about 1500 pounds," he replied. Either Fred was dreaming of his garden or else someone had stolen enough sand to make his eagle eye notice the discrepancy.



Tony Jora, 6 years' service, Andy Mazzei, 7 years, Tony Lori, 7 years, and Andy Sabel, 8 years, Chippers, at Alliance





## Chester

Mr. Eddie Miles, Thurlow Works Chef, saw the Dempsey-Carpentier fight at Jersey City.

Mr. Sam Brown, of the Melted Metals Department, took Eddie Miles' place as Plant Chef, during the latter's vacation; Sam is pastmaster in the art of cooking and was right at home on the job.

Mr. Wm. Woolley, pianist for the Plant Orchestra who is connected with the Accounting Department, substituted as organist at Upland Baptist Church last month.

Mr. Michael McHale is back on his old job in No. 1, C. & M. Mr. Frank di Paolo is also in the same department, taking Joe Bogusz's place.

Messrs. Dick Clendenning and Ernie Woolley, Patternmakers, went to Chesapeake City, Md., after the wily bass, but the bass were not biting that day.

The boys at Thurlow Works wish to extend their sympathy to Mr. J. C. Bergen in the death of his mother, recently.

We all enjoyed looking at the picture of Miss Ruth Gordon, from the Hammond Works, and wish to say that if Miss Gordon only won *third prize*, we should like to give the young lady who won the *first prize* the once-over.

Mr. James Lloyd is now employed as Draftsman in our Engineering Department, and Mr. Robert Toner, in our Core Department.

Mr. R. Coyle, Works Council Representative from the Repair Department, has the sympathy of all employes here in the recent loss of his mother and sister.

Mr. Jacob Spank, Wash Room Attendant, has obtained his last Citizen papers. Jake is very proud of the fact that he is now a full-fledged American.

"Pop" Stout, of the Accounting Department, spent his vacation at Cape May, N. J., at his cottage where he had the time of his life.

At the last regular Monthly Meeting of the Foremen's Association, the following officers were elected to serve for the ensuing six months: Wm. J. Brown, President, B. P. Hammond, Vice President, Benjamin Getz, Secretary, and Wm. Foster, Treasurer.

The Foremen's Association of Thurlow Works, through the good graces of Sheriff Granger, of Delaware County, held their annual picnic at the latter's summer home at White Point, Md. Athletic events were pulled off, including high jumping, wrestling, baseball, volley ball, quoits, swimming and high diving. Bill Feters won the high diving event, Mike Murtaugh, No. 1 Foundry Foreman, the wrestling, and Bill Brown, the rowing event. Jim Ewing and Ernie Harrington each swam a dead heat. Andy Stephenson, of the Chicago Office, received the honor of being the best poker player. The day was one round of pleasure and Chefs Eddie Miles and Sam Brown took care of the eats in fine style. Many thanks were extended to the Committee in charge, Messrs. Bill Brown, Mike Murtaugh and Bill Foster.

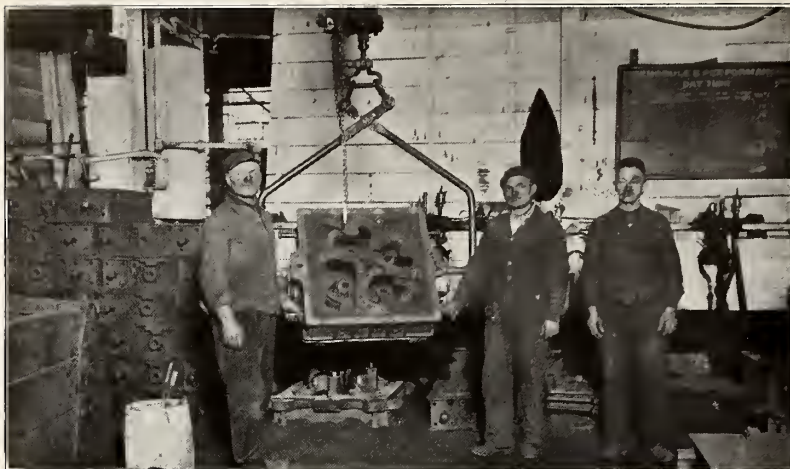
Bill Kennard of Division 4, is still telling the boys of his ability in by-gone days as a pugilist and some of the older men around the Plant can vouch for his stories. Bill claims he can still show some of the younger boys a few points, but they're all afraid to show up at the A. Building.

Mr. James deFarge, Electrician, is the proud owner of a thirteen-weeks' old Belton Setter dog pup, and had him out for a walk one night when the boys were shooting starlings. One of the birds was knocked down and could not be found, and in looking for it, Jim saw his puppy making a perfect stand, and sure enough, the bird was there. Jim says it is worth one hundred bucks.



Richard Coyle, Plant Inspector, Repairs and Works Councillor, 7 years' service at Chester





Louie Muranzic, Finisher, 3 years' service; Steve Crushi, Rammer, 1 year, and John Semek, Rammer, 14 years. Alliance Works



W. P. Moore, Armature Winder, 3 years' service, and P. Connor, Electrician, 1 year. Granite City Works



Andy Sabo, 10 years' service; Lazor Andereff, 1 year; Nasei Berandino, 1 year; A. E. Draper, Asst. Foreman, 16 years; E. Williamson, 9 months; Jim Carretto, 1 year; Bascom Porter, 8 months, and Stevens Harris, 1 year. Chipping Department at Alliance



F. M. Rader, Craneman, 2½ years' service, Shakeout C. & M. Dept., East St. Louis Works



Sitting: C. I. Beppler, A. J. O'Neil, Elmore Boles, Joe Pfeil, Hamlin Petty, G. I. Tuckey, H. Wallison and H. J. Freese. Standing: Victor Cherry, C. F. Topnick, G. A. Hein, R. C. Herpst, A. Hazelhurst, John Collins, R. Gam, E. W. Klause, Harry Brown, Joseph MacCord and James Collins. The 8:30 Club Picnic, Pittsburgh Works.

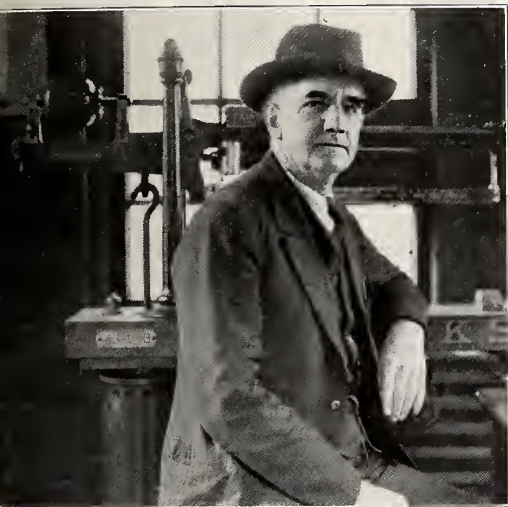


James Brown, 3 years' service, and Edward Muse, 1½ years' service, Rammers at Chester





T. Davies, Works Auditor, 8½ years' service; Kathrynson, Stenographer, 2 years, and F. V. Ferguson, Cost Clerk, 3½ years. Sharon



L. Bowles, Heat Weigher Yard Department, 1 year's service at East St. Louis



Schmidt, 3 years' service, and George Yonke, Foreman, 10 years' service, Carpenters at Indiana Harbor



Esther Shaeffer, Lila Shafer, Edythe Lyons, Alma Kreis, Mrs. Herman Dedelow, Marie Brauer, Jane McCluskey, Bess Fagen, Mrs. Alleen McCoy, Elizabeth Brauer, Hammond



Office of Franklin Works, Timekeeping Department in the Right Foreground



Fred Jones, Wheel Roller, 5 years' service; A. Jones, Wheel Roller, 5 years; Gus Cunningham, Wheel Roller, 6 years; H. Crutcher, Rail Man, 1 year, and Brady Perry, Test Drop Operator, 4 years. Granite City Works





## East St. Louis

Mr. Alex Smith, General Pattern Foreman, is on the way to recovery again, we are glad to say. Mr. Henry Gulic has been taking Mr. Smith's place during his absence.

Mr. H. R. McCoy, Associate Editor, and Mr. E. C. Cooper, Chief Chemist of Granite City Works, were recent visitors here.

The air here is still full of vacation memories. "What I did," "where I was" and "while I was away" are still the topics of the day.

That strange looking creature which moved the Yard Office proved itself to be John Werle, Weighmaster. John says he don't think a fellow should lose his identity altogether just because he has his hair shaved off.

Friends and co-workers were very much surprised to hear of the marriage of Mr. J. E. Turner, Associate Editor at this Works, and Miss Lillian Donahue, of East St. Louis, which took place in June. The young couple took a short trip North and are now residing at East St. Louis. Congratulations, Turner, and best wishes for a long and happy married life.



Harry Baugh, Final Rail Chipper, 12 years' service at East St. Louis

Says Mr. L. V. Day, Works Engineer, to Mr. L. W. Egan, Special Engineer, who had just returned from Chicago where they had been having such *fine* (?) weather: "St. Louis is the hottest place this side of H—. Believe me, when I was here in 1918 and then went back to the Indiana Harbor Works, the hot bullets we were making there felt cool to the weather in St. Louis."

Mr. Jas. Cleary, Shipping Clerk, and J. M. Walsh, Timekeeper, have been transferred to the Watchmen's Force.

Dave Ellis, Cost Clerk and John Schmidt, Labor Distribution Clerk, are back on the job, after working at the Granite City Works for a short while.

Mr. John Werle, Weighmaster, is assisting Mr. T. Haenlein in the Storeroom, since Cleary is on the midnight crew.

If Harry Greve, Yard Master, and L. S. Boismenue, Supply Agent, catch all the fish they are talking about, they will need a few of the U. S. A. dump cars to bring them back.

East St. Louis was well represented at the "Mulligan" given by the Granite City Works, recently, and we wish to take this opportunity to extend our thanks and appreciation to the Committee which had charge of the affair.

Mr. L. W. Smith has resigned and gone to his farm near Mount Vernon, Ill. Mr. H. W. Wilson succeeds him, and is assured of our hearty co-operation.



## Franklin

Old Man "Persistent Rumor" informs us that W. D. Elliott, our Night Watchman, has become a miser and is gathering great stores of Elderberry Blossoms. Ira Jones, Night Fireman, is getting quite friendly with Bill and will no doubt call on him very often in the next few weeks.

Mr. Charley Richardson, our Pattern Foreman, at the present time is very busily engaged in securing an actual inventory of all patterns located at Franklin Works. He has consented to write an article, describing this work, for publication in THE OCTAGON. This inventory, however, will not be completed for several months, so we shall have to wait patiently for Charley's story, which will doubtless prove interesting as well as instructive.





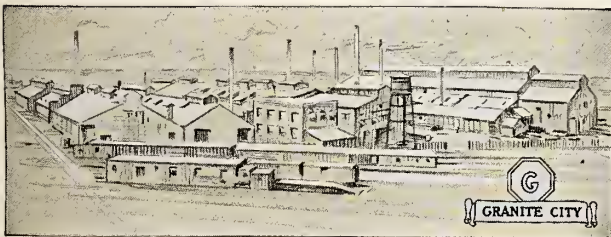
Lester Schiley, Blacksmith, 3 years' service, Franklin Works

During the last warm weather (always more than 90° in the shade) the "Strong Arm Gang" has been engaged in transferring some more of that Lump Coal from the Creek to the Boiler Room. All the boys are game when there is anything to do, regardless of the weather, but we have an idea that they will be glad when the last load comes up, especially if this warm weather continues.

Mr. Clem Rinehart, our Janitor, spent his vacation in the wilds of Maryland, near Cumberland, where he says a good time always awaits him.

Ever since "Ack" O'Neil paid us his last visit from Pittsburgh Works (where he was transferred from Franklin) Gaylord McCready has been restless and dissatisfied and only loses this spell by taking trips to Pittsburgh and East Liberty. "Mac" has so many lady friends, that a few more would not make any material difference, anyway.

Since we have been experiencing the excessively hot weather this summer, a number of the "bunch" have been seeking relief by spending a few days up the creek, while others have taken automobile rides. If we have as hot weather next year, at this time (speaking from our own experience) we will take a lunch and go "up the creek" in preference to absorbing tons of road dust.



## Granite City

In a contest between seven welders for the best weld, Otto Lewis carried off first honors. Standard Test Bars were sawed in two and then given to our welders. The bars were then welded together and turned to size and tested by our Testing Laboratory

Force and a record kept of the number of pounds that it took to break each bar.

"Hip" Odum, Craneman of the Foundry, announces the arrival of an 8½ lb. baby girl at his home.

Mr. Frank Mueller, General Pattern Foreman, enjoyed his vacation at Trenton, Illinois.

Mr. Julius Adamac, Hydraulic Press Operator, is with us again, after several months on the farm.

Mr. Roger Atcheson, Assistant Core Foreman, recently spent a vacation in the Ozark Mountains.

Mr. John Wall, of the Electrical Department, wound his first 15-horse power alternating current motor successfully. Mr. Wall is a popular member of the Works Council and has been in our employ for the past twelve years as a "trouble shooter."

After two hours of strenuous effort on the part of Messrs. E. C. Cooper, Chief Chemist, Harry Lee, Wheel Pouring Foreman, Ed Tinker, Process Inspector, and George Marqua, Purchasing Agent, during which samples were obtained from two cars of special molding sand, to be tested at the Laboratory, a switch engine came along and so excited Mr. Cooper, who was the careful custodian of these samples, that he lost his equilibrium and the samples, at the same time. It is needless to say that the language indulged in by Mr. Cooper at this time was anything but orthodox.



P. P. Hackett, Chief Electrician, 15 years' service, Granite City

For the past few months we have had among us Mr. W. Luther, of the East St. Louis Electrical Department, who is a direct descendant of the famous Martin Luther. Mr. Luther says we have a fine bunch of fellows here.

We regret to announce the death of Mr. William Wallace, Rivet Heater in our North Plant—C. & M. Department. Willie was well liked by his fellow workmen and foremen. He was a willing worker, always in good spirits and furnished his associates

many hours of amusement by his comic antics. Most workmen knew him by the title of "Bogaloosa Bill," because his home was formerly in Bogaloosa, La.

The following letter will be of interest to the Flea fraternity at this and other A. S. F. Works:

Loyal Order of Fleas,  
Home Office, Granite City, Ill.  
Attention of the Grand Mogul.  
Dear Chief:

Cleveland, Tenn.,  
R. R. No. 4,  
June 20, 1921.


Due to the kind efforts of our highly esteemed Brother Flea (Mr. F. J. Mueller, to whom I am truly grateful), I am a regular reader of THE OCTAGON. In reading over the items from Granite City in this month's issue, I noticed where the Club has devised a very attractive membership card. I would deem it a great pleasure if Your Honor would direct the Secretary to see that I am supplied with one.

I regret very much that I cannot have a meeting with the jolly crowd of Brother Fleas, which is always a source of education to new members, and entertainment to all, besides arousing the spirit of "Help the other felow."

Kindly give my regards to all members of this scratching, biting and jumping club.

Your Brother Flea,  
Joseph E. Berry.

(The card to which Mr. Berry refers, is reproduced below.)

NO. _____		G. C. P. L. NO. 1
THIS IS TO CERTIFY THAT		
INSECT		
WHOM POWDER WILL NOT KILL		
HAS QUALIFIED AND AT THE DATE OF ISSUING THIS CARD WAS IN GOOD STANDING IN SAID ORDER.	DAY OF _____	19 ____
		SECRETARY
INVALID UNLESS SIGNED BY PARASITE TO WHOM CARD IS ISSUED.		

Messrs. Jack Buerger and Tony Brawley, of the Machinists' Department, have overhauled and rebuilt our 3-G-2 Locomotive Derrick. Gus Ortman, Assistant Master Mechanic, assures us that this work equals that done on Locomotives No. 4 and 5.

Recipe for Morgan Edwards' famous coffee sometimes used in the Dining Room: Fifteen pounds Ajax; ten pounds coke breeze; percolate one hour; add glutrine water and serve hot.

Mr. Henry Cooper is back on the job in the Pattern Shop, after a three months' absence.

From the vast amount of pig iron and scrap being unloaded at the present time at this Plant, it appears that business is going to be brisk in a short time.

Mr. Roswell B. Swezey has given up the life of a Bachelor, his wife having returned from an extended visit in Chicago and the West.

Mr. F. Hesler, Scoutmaster and Assistant Foreman of our Wheel Department, visited the Boy Scouts' Camp on his vacation. Mr. H. R. McCoy, Associate Editor, also visited the Scouts' Camp and was able to secure several fine photographs.

Our Sand Slinger Electrician, Mr. Sommers, visited St. Louis recently and had his head "blowed" out.

Mr. Frank (Bud) May, of the Foundry, is spending his two months' vacation in the West, one month at Colorado Springs and the other in the Ozark Mountains at Davisville, Mo.

No. 4 Locomotive has been entirely rebuilt in our own Machine Shop, under the direction of Mr. Arthur Prout, Master Mechanic, and it certainly looks like a brand new one. In this connection it may be well to state that it *performs* like a new one. Our No. 5 locomotive was rebuilt last November and has been working ever since without any delays for repairs. This is indeed a record for the Machine Shop force to be proud of.

Jerry Hoover, our very handsome and popular Flask Shop Foreman, is an expert on gauging bushings. They have to fit perfectly for Jerry.

Mr. Wesley Koenig, of the Mechanical Department, has moved to his new location at 2105 "C" Street. Mrs. Koenig, who was Miss Leona Ott of the Accounting Department, spent her vacation at Hayworth, Illinois.

Messrs. Hackett and O'Hara, of the Electrical Department, happened to pass by Mr. A. L. Prout's house while the latter was on his vacation, and decided to stop in and investigate things. When last seen, they were going down the street singing. Evidently they found everything in the Prout cellar O. K.

Mr. William Frede, Blacksmith in our Machine Shop, is undoubtedly the best artisan ever at this Plant. The Contributing Editor recently watched him turn out some special bolts for the Repair and Maintenance Department and each looked like it had been machine-made, so perfect were they in size and shape.



Employees at this Works wish to extend their sympathy to Mr. O. J. Spainhower, Pattern Maker, whose aged mother passed away recently at Waverly, Illinois.

The Electrical Department owns two bears; the one the big black bear and the other the little bear, respectively Ed. Regan and M. Regan.

During June a baby girl arrived at the home of Mr. J. Karpowicz, a Rougher in our C. & M. Department.

Mr. Steve Tabor, Rougher, took his family for an outing and boat ride recently. Steve knows that a little recreation of this sort will keep him fit for his task.

Messrs. Bill Seydlar and Mike Skomil, musicians in the Metal Pattern Shop, played at Riverside Park, for the Fourth of July celebration there, and later at a wedding at Divernon, Ills., where many persons from Madison and Granite City attended.

Mr. Alex Fisher, Metal Pattern Foreman, went fishing recently, but reported that they were not biting as well as the mosquitoes.

Mr. D. Fearing, Pattern Maker, spent a two weeks' vacation touring Kansas in his Chevrolet with his family.

Messrs. Henry Cooper and E. C. Alves are once more with us, after several months' absence.

Mr. Charles Ruhlmann reports several wild nights with "chiggers" as a result of picking five gallons of blackberries in Missouri, recently.

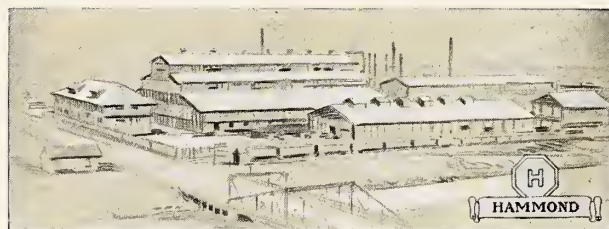


Left to right: C. F. Lain, 7 years' service; L. Huelman, 2 years; H. Westbrook, 3 years; A. W. Jester, 7 years; C. Arnold, 6 months; Dave Coyle, 22 years; H. Gattung, 1 year; and F. Spanberger, 6 months. Pipe Shop Group From Granite City

"Less Hours per Ton of Good Castings" being the slogan of this Plant, the C. & F. Department made it mean something when they shipped a considerable amount of castings on June 30th, which were poured 24 hours previous to that time.

Tom Loveless, Chairman on No. 6 Crane in the North Plant, has a smile that won't come off these days. Wonder why?

Mr. H. M. Rishel, General Foreman, C & F. Department, took his vacation last month. Accompanied by his wife and daughter, he visited Chicago and Northern Wisconsin.



## Hammond

The interior of the main office has been decorated in the standard A. S. F. colors by Al Torsen, Happy Stevens and Joe Haines.

Esther Schaeffer, stenographer in the Spring Department and Mrs. Herman Dedelow, stenographer in the Accounting Department, attended a beach party not long ago. The marshmallows and weenies were all to be expected, but they reported the water as being chilly for bathing.

So many from Simplex Works have been on vacations since last month that space forbids individual mention. Most of the vacationers spent their time around the inland lakes and on the country roads.

When it comes to smashing the H. C. of L., Mr. Olney, our Chief Traffic clerk, can make the drop. He, in some unknown way, has been able to sell a regular standard \$5.00 repeater attachment for victrolas for ninety-five cents. We thank the gentleman for his philanthropy.

Mr. J. Cosgrove, Pattern Maker, and Miss Davidson, daughter of John Davidson, Machinist, were married recently. Mr. Andrew Tuck, Pattern Maker, acted as best man and Mr. John Mischke, Pattern Shop Foreman, was also present. A two weeks' honeymoon was spent at "The Dells."

A new concrete floor has been installed in the boiler room.



Theo. Schmidt, 18 years' service  
Hammond, Works

Mr. R. G. Conde, Assistant Superintendent of the Bolster Shop, has been transferred to the Ajax Brake Beam Department, as Superintendent; Mr. Stevens, Foreman of the Bolster Shop, to the Ajax Brake Beam Department, as Foreman; Mr. Nick Lynch, Truck Driver, has been made Yard Foreman in the Casting Yard, Mr. Joe Haines, Yard Foreman, promoted to Foreman in the Bolster Department, and Mr. Max Haberman, to Assistant

Superintendent of the Bolster Shop.

Mr. W. Thomas is again driving the golf ball around the course. His score? We'll let the gentleman report this himself.

Mr. Tom Gilfillen, together with Mr. R. Pettit and son, recently spent a week end at Tremont. They not only located an abandoned shack which they made use of, but acquired a most gorgeous coat of tan.

We understand now why the paint runs. Frank Stevens, better known as "Happy," Foreman of the Bolster Shop has been called into service as painter and office decorator.

Miss Eleanor Conde, daughter of R. G. Conde, Assistant Superintendent of the Brake Department was graduated from the University of Illinois, Champaign, Ill., this summer.

The Simplex Works is willing to back its Yardmaster, J. Mulligan, as the best proportioned man for his size (298 pounds) among the workers employed in the different plants of the A. S. F.

Miss Marie Brauer, Stenographer in the Engineering Department, was married last month to Rev. Herman Fehner, the ceremony being performed by her father. The couple took a lake trip, after which they went to their future home in Windsor, Canada.

A chest of silver was presented by the members of the Simplex Plant, and we have since received a letter of thanks from Mrs. Fehner.

A stag was given at Phil Schmidt's fish resort June 24th. It hasn't leaked out yet whether the suds was real or near.

Mr. J. V. Bell, Sales Agent at St. Louis, and Mr. M. M. Armendariz, Mexican Sales Agent, were recent visitors at our Plant.

Alma Kreis, clerk in the Drafting Department was ill, but is back at the office, we are glad to report.

When it comes to painting yard cranes, we claim our Yardmaster wins the Ivory Handled Paint Brush. Here is his personal recipe for mixing five gallons of black paint.

- 100 Pounds White Lead.
- 5 Gallons Linseed Oil.
- 2 Gallons Stack Paint.
- 1 Gallon Turpentine.
- 10 Pounds Graphite.
- 27 Pounds Lamp Black.
- 1 Gallon Naphtha.

The "Curbstone Strategists," after reviewing the above formula recommended that it be placed in the Museum of Natural Arts for safe-keeping.

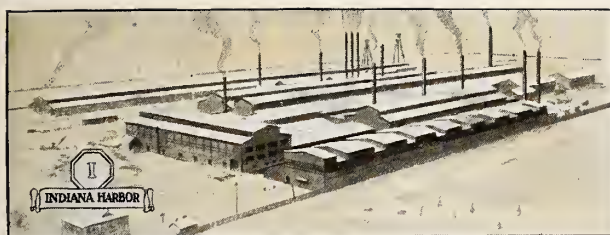
Here's a snake story which reminds us of the good old days of D. T.'s. Mr. Camp, Carpenter, reported recently that he killed a six-foot milk snake on his way to work, and to prove his story, produced the reptile. Later, he killed its mate, which was five feet long.

Miss Elizabeth Brauer, Stenographer in the Accounting Department, spent her vacation at the Brauer's summer cottage at St. Joseph, Mich., Mrs. McCoy, stenographer in the Drafting Department, while on her vacation had a taste of simple life at her cousin's cottage at Conneaut Lake, while Miss Esther Schaeffer, apparently more interested in the serious affairs of life, took a ten-day Sunday School Teachers' course at Elmhurst during her vacation.

Sharon take notice: The Pullman (with Engleman) just did make Hammond, but has been recovering ever since from exhaustion.

We note where Jimmy Shields, Mail Boy at Chicago, would like to find out what a "Mulligan" is. Suggest that you come to Hammond, Jimmy, to find out. (Our yardmaster, Mulligan, weighs 298 pounds).





## Indiana Harbor

Mr. Wallis and Mr. Suttie with their families have engaged a private cottage called "The Octagon" for the summer months at Cedar Lake, Ind. They report the spot as ideal for bathing, fishing, eating and sleeping. The men take week-end trips, going by way of auto from the Plant.

Mr. Fred Murley played "Daddy" to some 250 children at a recent church picnic held at Calumet Park. Fred says he had a wonderful day and no doubt he did, with such a family.

Mr. Frank Covert, Handyman in the Machine Shop, who has been sick since March, expects to be back in the Machine Shop in the near future. His many friends at the plant wish him a speedy recovery.

Mr. J. V. Bell, Sales Agent at St. Louis, was a recent visitor at the Indiana Harbor Plant. Mr. G. H. Austin, Works Manager at Hammond, was also here not long ago.

It was with great sorrow that news of the death of Mr. Fred Farish's wife was received. Mr. Farish is our Pattern Shop Foreman and has the sympathy of the entire Plant in his bereavement.



S. L. Stewart, Chief Draftsman, 1 year's service; H. O. Dratz, Maint. Engr., 10 years; L. Kilboy, Draftsman, 1 year; and T. Loveday, Asst. Maint. Engr., 4 years; Indiana Harbor

The second Indiana Harbor picnic held at St. John's, Indiana, will be an event long remembered by the Works members and visitors. This being a further attempt to draw a closer relationship between Shop and Office, it can be said that it was a greater success than the initial gathering. The sun kept its promise most of the day, with the exception of a shower that only cooled off the shady spot, where baskets of good things were spread on tables, under the direction of the ladies, who proved to be ideal picnic makers. In addition to those who came by rail, a large number motored from Chicago over the wonderful Indiana highways, adding to the enjoyment of the day's outing.

Lunch was served around twelve o'clock and after it had been put in its proper place, the Sports Committee took charge of the day. Young and old, fat and thin, joined hands, and not only a grin but a genuine smile was found on many faces while the good time was on.

## Order of Events

Dash—Girls under 6.....	1st prize, Thelma Stilson
Dash—Boys under 6.....	1st prize, M. R. Fetten
Dash—Girls 6 to 10.....	1st prize, Ruth Fetten
Dash—Boys 6 to 10.....	1st prize, F. Strom
Dash—Boys 10 to 15.....	1st prize, O. Dixner
Dash—Single Ladies.....	1st prize, Miss R. Lipner
Dash—Married Ladies.....	1st prize, Mrs. Stilson
Dash—Single Men.....	1st prize, Mr. Eggherman
Dash—Married Men.....	1st prize, Mr. L. Engleton
Sack Race—Ladies.....	1st prize, Miss A. Thomas
3 Legged Race—Ladies.....	1st prize { Mrs. Osman Mrs. Moss
3 Legged Race—Men.....	1st prize { Mr. Lorenz Mr. Lanyon
Tug-o'-War—6 Men Team.....	Cigars, Dixner's Team
Wheel-barrow Race—Men.....	1st prize { Mr. Parker Mr. Engleton
Sack Race—Men.....	1st prize, Mr. Alexanderson
Shoe Race—Ladies.....	1st prize, Miss R. Lipner

## Picnic Notes

Mr. and Mrs. Ernest Skelton were with us till train time. Both expressed themselves as having had a splendid time.

Mrs. Larry Parsons (Lora Weydert) a former employee, attended with her "ever ready smile."

Mrs. William Strom did not get very far in the married ladies' race.

"Maggie" Walker lasted only three innings at the ball-game; he claims it was the support.

Harry Krauel was the busiest man at the picnic. "Making change" was his pastime.

# THE OCTAGON

Mr. F. A. Lorenz, Jr., claims he can win any race with three legs and to prove it he did with the assistance of "Specks" Lanyon.

Alice Thomas certainly showed some speed in that potato sack.

Mrs. M. J. Fetten lost the race by one shoe.

Murley trimmed Engleton in the special handicap race.

Adam Waldner was the "Candy Kid" when it came to selling paddles.

Fred Pattullo was busy changing needles when not toddling.

Geo. Yonke developed a dandy blister during the "Tug-o'-War."

Harold Osman was the original wheel starter and reported a big day's business.

Mrs. Engleton finally won a box of sweets. No. 17 was her lucky paddle.

## "Know Ye by These Presents, that:—"

THE OCTAGON has a wide range in reaching the secret news. Our Mr. Richard Davis, C. M. & A. Foreman, quietly skipped out of town and took unto himself, for better or—well, anyway Dick said "I do."



Members of the Production Department, who, in addition to their regular duties, proved themselves expert at swinging the brush

Mr. L. L. Seall, formerly Electrician, has accepted the position of Toolman in our Tool Room.

Mr. Walter Anderson of our Inspection Department recently announced the arrival of young John Marshall. Walter did the proper act, only the brand was "Swedish Masters."

Mr. Hugh Dugan, one of our Special Apprentices who has been absent for several months, owing to sickness, was a recent visitor of our Plant. Mrs. Dugan also paid us a visit and reports Hugh as improving rapidly.

Jack Deistler, Pattern Matcher, believes in the Fourth of July celebration and has proved this with a little baby girl born the Fourth. "Mother Deistler" at the present writing is doing very well, while Jack has the smile that won't come off.



## Pittsburgh

The members of the 8:30 Club, Pittsburgh Works, and their friends journeyed to the cool groves of Sandy Creek for a pleasant day's fun. The trip was made via the Packard truck, which was all dolled up in picnic regalia, and under Eddie Klause's careful hand the noisemakers were escorted safely to the scene of action. Ye Gods, you should have seen the wild scramble for the "eats" when lunch was announced. And it sure was worth while, for our girls can certainly get up a spread. Following lunch came a short thundershower (not on the program) which gave everyone an opportunity to rest a bit and then start afresh in the afternoon. The "tug of war" among the ladies, a source of much merriment and excitement, was followed by a similar event for the men. At this writ-



C. F. Topnick, Expediter of Shipment, 7 years' service Pittsburgh



Eddie Klause, our Truck Driver, who is also official Life Guard at the Oakmont Beach, has been promoted to Captain. Eddie wears his honors very modestly. He has been very busy lately rescuing people from "watery graves."

The other plants of the A. S. F. can rave about the pies their cooks can make but we would far rather eat a piece of Emma Pfeil's Devil Food Cake.

Rudy Arn tried to get away with a Spanish dance but he was promptly bombarded with oranges thrown by the fair sex.

Kid Beplar won the pie eating contest at the picnic of the 8:30 club.

John B. Collins, his white duck pants, and his sister were very much in evidence at our picnic. We hope to see his sister more often in the future. As to the pants—

Pittsburgh expects to take the first place in the "Award for Good Order for Offices" in the next award, having treated all the departmental offices, as well as the General Office, to a new coat of paint. All concerned have worked hard to make the job a masterpiece, and it surely shows up well.

Our old friend Shepley, of the C. & M. Department, minus his mustache, sure threw a scare into the Gang the other day.

Mr. John Meyers, Moulder, Snap Flask Department, has a line of talk that he hands out about Millvale's Baseball Team. Every native of this burg has the same dope. It must be some town. How about the pirates playing this crowd? Is there a chance of them winning from these world beaters?

Someone is always taking the joy out of life. Some of us had an idea that our chickens were the best all-around fowls obtainable. Then comes Bob Balmer, Engineer, and tells us he has them all backed off the Boards. How come, old timer?

Mr. Geo. Pedloc, formerly First Helper on the O. H. furnace has left the service. Mr. Joe Whalen has been promoted to the job. Mr. Richard Boyle, formerly of the Verona Steel Castings Company has taken the job as Second Helper.

Mr. Wilbur Meyer is now a full-fledged pattern maker, having served his four years' apprenticeship.

The matrimonial race between Jim Thompson and Jim Sullivan, our two old-time widowers, promises to be exciting. May the best man win.

Mr. Julius Kotkiewicz, Chipper C. & M. Department, has purchased a home on 36th Street. Julius likes to be close to his work.



Timothy Datel, Rumblerman, 6 years' service, Pittsburgh

Messrs. Elmer Eiffer and Joe Whalen are making a lot of money. They contract to remove wall paper, take it home and clean it, then hang it again.

Many of the boys are showing a fine coat of tan and complaining of sunburns, caused at the summer camps along the bank of the Allegheny.

Jim Hathhorn, Chemist, is an expert chicken raiser. Jim says that he raised 230 this spring and early summer.

Ralph Davis has everybody "beat a mile" in headgear.

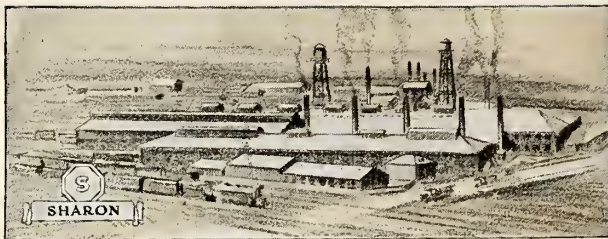
The Main Office, Storeroom and Dispensary were painted recently while the Foundry and C. & M. Departments were treated to a coat of whitewash. We wish the Committee on Award for Good Order would visit us now.

Mr. Jos. Parposky, Flogger in C. & M. Department, has left to visit the old home in Austria.

Our cranemen are all dressed up in new "Ranger Bicycle Caps," thanks to "Patty," who was Acting Santa Claus. Some are becoming and others are—well, we'll leave it to Mike Hawkins to say how they look.

We suggest that the Plant take up a collection to furnish a certain member of the mushball team with glasses so that he can find the bases.

Loose statements get men into tight places.



## Sharon

A. C. Dunlap went out on the golf course the other morning at 5:00 o'clock. We don't know whether he went to practice up a little or to make a record when no one was watching.

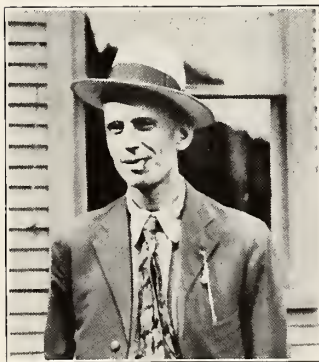
One of the men from the Molding Department is spending his evenings in a camp along the Shenango and claims that it is a fine place, but the fish make so much noise there it is hard to sleep.

"The chicken fancier", Mr. A. H. Lauer, has gone seriously into the raising of rabbits, guinea pigs and geese, and the strange part of it is, he wants to *give* them away. If you will kindly send him the name of your best enemy (mothers-in-law-barred) everyone should be satisfied.

Mr. A. H. Lauer is going on a fishing trip; he did so last year, but on account of being told not to bring too many home he put many back in the water. This year he intends to get the limit.

Miss Anna Robertson, of the Alliance Plant, called on us the other day and we were mighty glad to see her. Alliance certainly agrees with Anna, and we would suggest that she go on a diet again.

We regretted that she didn't have her "Otto" with her.



H. C. Kashner, Foundry Superintendent, 9 years' service

Mr. Harry Kashner has christened his new boat "The Battleship" and we think in accordance with the size, the name is very appropriate. It is the opinion of the A. S. F. employes that Harry has seen so many fish in the Shenango that

he expects to catch them all at one time.

When Ryan and Moses looked at their poultry house the other evening, they found out there were three young chickens missing. Not wishing to blame it on anyone else, they decided a rat was the thief, but they don't know whether he used an ax to get in or whether he got up on his front legs and kicked the door in.

Notice: Watch the appearance of our Yard change. The Yard Department received a new rake this week.

Mr. T. G. Sandors, Yardmaster at the Sharon Plant, completed his twentieth year with the Company recently. Here's wishing him luck for twenty more.

Mr. A. H. Lauer, H. A. Voglesong and F. V. Ferguson are sure some bricklayers. The new brick foundation under the barn is a thing of beauty, indeed. Hereafter, don't fail to call on either of these three when desirous of having any brick-laying done, for they have proven themselves experts.



## General Offices

Mr. Barry Taylor, Accounting Department returned recently after an absence on account of illness.

Miss Irene Loughran, Purchasing Department, sentenced herself to a pleasant two weeks' vacation at Joliet.

The partition between the eleventh and twelfth floors seems to be the only barrier in the case of two rapidly progressing romances in the General Offices.

Fritz Ernst is one of the best hand ball players at the gymnasium on the second floor. About the only one who beats him is Bill Graul.

"Scully" Hampton took four months' leave of absence, beginning July 1, for a protracted trip through Europe. Some people have all the good luck.



We understand Mr. Meyers, of the Purchasing Department, became engaged a short time ago. Congratulations.

Mr. C. C. Jarchow and party, for their vacation this year, enjoyed the life of campers in the wilds of Wisconsin and Minnesota.

The conditions in the General Offices are extremely quiet at this time, owing to numerous vacations occurring in the different departments.



C. E. Edstrom, Engineering Dept., General Office

Miss Berenice Burris, Brake Department, is as much at home in the water as a fish. A recent picture in the Tribune will corroborate this fact.

Miss Frances Han- non, secretary to Mr. R. H. Ripley is devoting most of her leisure time to golf this summer.

June 29th marked the wedding anniversary of two members of the Treasury Department, Messrs. Wm. Eppele and W. A. Suttie. Mr. Suttie, however, claims precedence in the fact that his wedding occurred five years before Mr. Eppele's did, or twenty-eight years ago. It is suggested that joint celebrations of this event be planned for, now that this coincidence has become known.

The following revisions in Code Book sheets have been made since the last issue of THE OCTAGON:

19 and 52 (with tabs); 147 and 148 (dated 6-14-21), 150 (dated 6-15-21), 164, 165, 166, 167, 174, 176, 182, 183, 184 and 185 (dated 7-1-21), 188B and 191 (dated 7-1-21), and 199 and 200 (dated 7-1-21).



## Alliance Works Council

Through the efforts of the Works Council at this Plant, a new piano has been purchased, adding much to the entertainment of the employees.

## Chester Works Council

At the suggestion of the Works Council, the Award for Good Order has been placed temporarily in the Clock House so that all the employes may see it, and a special request has been made to keep the award for another quarter.

## Granite City Works Council

Mr. O. A. Schleff was elected to the Works Council by the employes of the C. & F. Department.

## Indiana Harbor Works Council

Leo Engleton was elected to a full term as Representative of the Works Council at this Plant.



## At Chester Works

Pud Hannum, Coremaker, and Clem Morgan, Safety Inspector, have resigned from the ball club to play with Pedricktown, N. J., Club, down in the sticks.

The above two men played ball with the married men of the Wilson Club at their picnic recently at Flowerdale Farm and thought they were kids and could stand anything. The results are that the both of them got a bad dose of sunburn and at this writing they are afraid to move.

Reds Ethridge, formerly of the Repair Department and one of our last year's twirlers, is going great with the Decatur, Ala., Club. Reds claims he is going in Class A Base Ball before the Season closes and he has our best wishes for success.

The boys are once again head over heels with enthusiasm over the Base Ball League and although only a few games have been played the interest taken by the different teams is great. The first game of the Season was between the Machine Shop and Office, resulting in a win for the Repair Shop. The standing of the League follows:



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	Won	Lost	Per Cent
Office	2	1	.667
Foundry	1	1	.500
Machine Shop	1	2	.333

"Yellow" Shropshire, Locomotive Crane Operator, took a shot at catching for the Machine Shop Ball Club, Redner Young doing the twirling. Yellow claims that Reds crossed him and the result was that Yellow has some bad looking fingers and Cooper got Yellow's job behind the bat. "Yellow" looked right good *at first*, but as a catcher, he would make a good rag-man.

The ball club has Earnshaw and Lefty Griffin to do most of their twirling this Season. Both are promising boys and should pitch the Club to many a victory this Season. Billy Maitland, last year with Viscose of this City and this year 3B for Martinsburg in the Blue Ridge League, is covering third sack, while Buono, a local High School Boy of great promise is holding down the position of short stop in great form. This lad is a comer and will make the big time before long. Pud Hannum, of the core shop, has the second sack well taken care of and our old stand-by Clem Morgan, Safety Inspector, is in the left garden, with Harry Johnson in center and George Baldt, another local boy, in right. Bill Price, also a local boy, is proving his ability to hold down the initial bag and has a fine batting average to his credit.

## At Granite City Works

Mr. Paul Guilmann, Tinner Foreman and native of France, was a strong booster for Georges Carpentier, the great boxer. Both are from the same town in France and, naturally, Paul wanted to see him win. (Everyone admits that Paul's champion is a game fighter, but not quite the equal of our own Dempsey).

Mr. John Sheer, of the Foundry, is considered an excellent cork-ball pitcher, here.

Mr. George Adolph says that the Marine Dam is the best fishing grounds in this section—and he knows, for he has tried 'em all.

Messrs. Oscar Heineman and Ed. Tinker want to make some money. They are issuing a challenge to all hand-ball players who aspire to become champions of Granite City. Mr. Tinker has been suggested as official Hand-ball Scorekeeper by Mr.

Harry Clark, of the Storeroom. [In this connection, Harry wishes to emphasize the fact that he wants to be on Tinker's team when the counting is done.]



A friendly handball game at Granite City

## At Indiana Harbor Works

The early bird catches the worm, especially these delightful cool mornings when the All-Star Tennis Quartette, namely, J. Suttie, Bill Evans, H. Stoll and Bob Moss, are holding their daily match games to decide the championship of the A. S. F. Indiana Harbor Works.

A new sport has been introduced at the Plant. We now spend the noon hour playing Clock Golf. Several members of the Plant are on time with this game, and the boys swinging the "Middy" are Messrs. Alston, Moss, Begley and Suttie, while plenty of rail birds are on the job.

## At Pittsburgh Works

The feature of the last ball game was the running catch of Faber in the fifth inning, catching the onion with one hand, after a run of thirty feet, bringing the spectators to their feet with applause and cheering. McCord deserved lots of credit for his gameness in playing with a broken knee cap sustained in practice.

Our mushball team has the co-operation of the girls at every game. They are out to see us play and cheer us along.

## Here's A Deep One:

"Where are you going for your vacation, John?"  
 "Fishhook."  
 "Where is that?"  
 "At the end of the line."



# Company Products



Cast Steel Rack Trolley Side



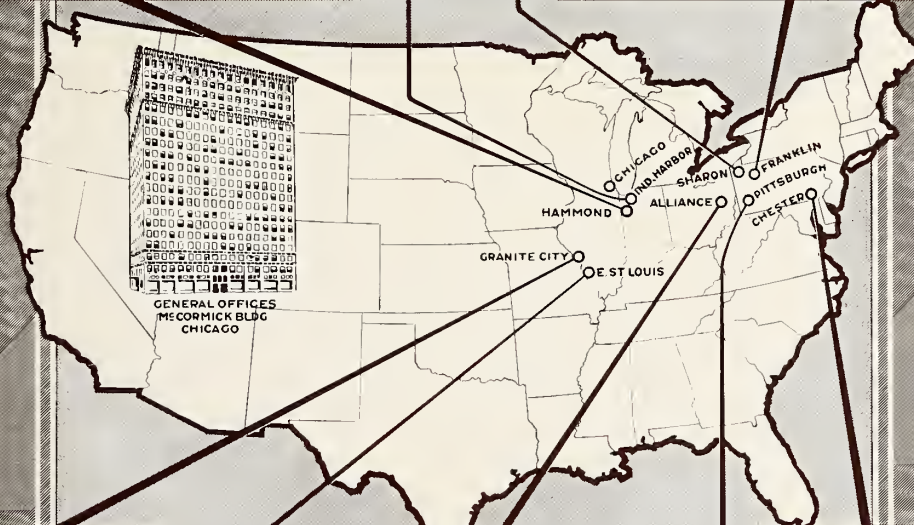
Cast Steel Vulcan Side Frame



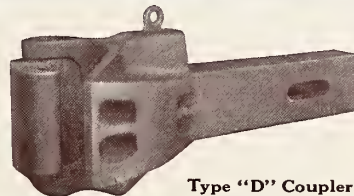
Volute Buffer  
and Draft  
Springs as  
used on  
foreign  
freight  
equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving  
Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames



*Handwritten signature or initials in blue ink, possibly "H. L. M." with a flourish.*





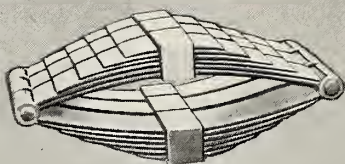
# THE OCTAGON

September, 1921

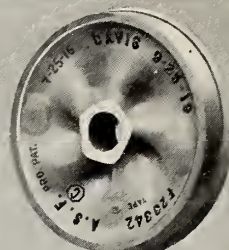




# Company Products



**SPRINGS**



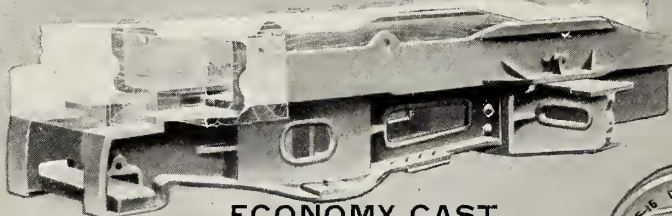
**DAVIS  
STEEL WHEELS**



**AJAX AND HERCULES  
BRAKE BEAMS**



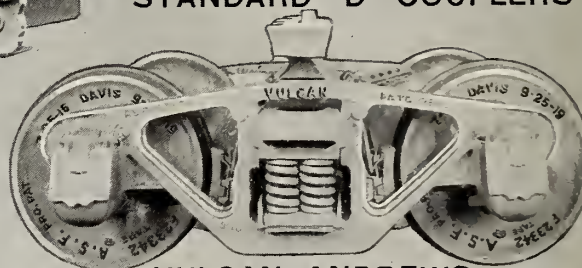
**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



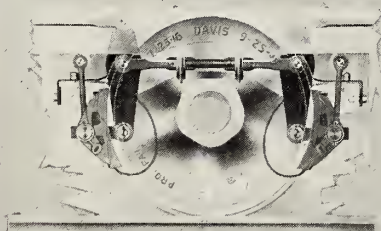
**ECONOMY CAST  
STEEL DRAFT ARMS**



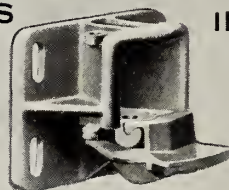
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



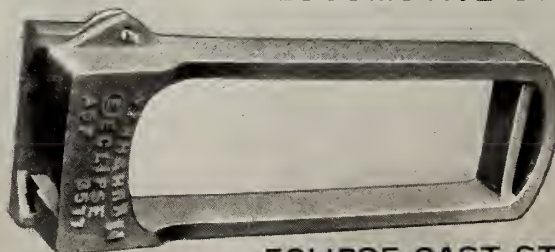
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





VOLUME VI

SEPTEMBER, 1921

NUMBER 21

## THE MANUFACTURE OF TYPE "D" COUPLERS

By

F. H. KAYLER, Assistant to Mechanical Engineer, Alliance Works

AS the majority of the readers of THE OCTAGON probably know, the specialty of the Alliance plant is the manufacture of couplers, the development of this work having been described in previous issues of this magazine by Mr. R. E. Janney and Mr. E. P. Kinne.

We are at present engaged in the manufacture of three types of couplers, the Type "D," Simplex and Alliance, turning out a large number of completed couplers every day. The process of manufacture of these three types being practically the same, the Type "D" will be considered in this article, this style of coupler having been adopted by the American Railway Association as standard equipment on new cars built after November 1, 1920.

An automatic coupler, especially a design like the Type "D," is really unique among steel castings since numerous complicated surfaces must have a machine fit without any machine work being done on them. This close

fitting of parts is necessary, due to the fact that several operating parts used in the head must work smoothly and fit closely to insure proper coupling action and long life to the coupler. In couplers like the Type "D," which has pulling lugs and pin protectors, the accuracy of the various parts is much more important than in older types of couplers in which most of the pulling and buffing strains are taken directly by the knuckle pivot pin.

### Interchangeability of Parts

Another requirement which is demanded of couplers and not of other classes of steel castings, except in a small degree, is interchangeability of parts. This is all the more important in the Type "D" coupler as it is now being manufactured by five different concerns in the United States and two in Canada. To insure the interchangeability of parts from any of these concerns with parts or bar of any of the others, means that all parts and bar must be

made to fit accurate gauges of a design which is standard with all of the manufacturers. If this was not done the whole principle of the standard coupler, which it has taken years to develop, would be lost, it being the plan of the American Railway Association, in developing and adopting the "D" coupler as standard, that eventually only one kind of repair parts would have to be kept in stock by railway repair stations, these being sufficient to repair any coupler.

In order to preserve this interchangeability of parts and insure all manufacturers' couplers being up to standard, these manufacturers have organized a Mechanical Committee composed of mechanical representatives from each concern, to meet every two or three months at the plant of the National Malleable Castings Company at Cleveland. As a representative sample of the current month's production each manufacturer is required to send to this meeting one Type "D" coupler. Here these couplers are carefully gone over with a complete set of gauges and also tested as to interchangeability of parts.

In this gauging inspection the coupler furnished by the American Steel Foundries has always shown up well, frequently taking the gauges in better shape than other couplers. A contributing factor to this is undoubtedly because the American Steel Foundries have always used more gauges on their other types of couplers than any other coupler manufacturer and the experience gained in this shows up when a comparison is made.

## Methods of Testing

After the gauging is completed the couplers are sent to the Physical Testing Laboratory of the National Malleable Casting Company at Sharon, Pa., and tested. The method of making these tests is similar to that followed by the M. C. B. Coupler Committee in their tests on the Experimental Standard Couplers. These tests are either pull or complete-drop tests, deflection readings being taken at frequent

intervals. These readings show up whether or not couplers are made close to the gauges, as one which has not will show a large opening of knuckle at low loads in pull test. After readings have been taken up to a certain point the coupler is tested to destruction, then analyzed and annealing specimen polished.

The above comparative tests aid in having each manufacturer keep his product up to the top in strength as well as interchangeability. The American Steel Foundries Coupler has shown up exceptionally well in these tests.

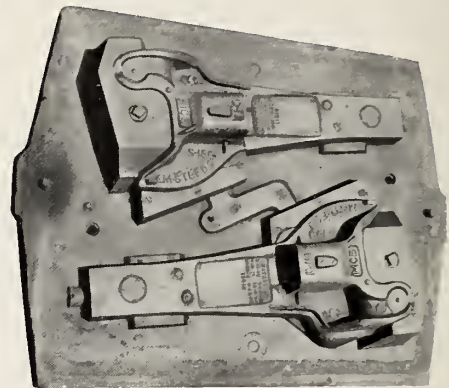


Fig. 1

In order to secure and maintain the above qualities in the coupler, all the manufacturing processes and inspection must be carefully done. This is accomplished at the Alliance plant in the following manner:

The first requirement, of course, is that all patterns be made accurately. All patterns and core boxes are now being made of cast iron finished all over to templates and jigs and the important fitting surfaces made to pattern gauges.

The drawbar and all parts, excepting the lifter, which is drop-forged, are molded on jarring, stripping-machines. Two drawbars are made in one flask, as shown in illustration No. 1, which shows the cope patterns and four knuckles are made in one flask, as shown by illustration No. 2 showing drag patterns.

The main cores for the drawbar are made in two halves on a machine designed and built at this plant especially for this work, of the roll-



over type, with air stripping attachment. With this machine the cores are made more uniform than previously, when core boxes were handled entirely by hand. After the cores are dried, the cope and drag halves are placed together and a gauge used over the portion which makes the space between ears of bar. This is done to insure the distance between ears coming to a correct distance to receive hub of knuckle. Any cores found to vary from this gauge are rubbed down to the correct size. This is necessary.



Fig. 2

The cores are conveyed to foundry on special racks and the halves placed separately in mold; in this way one man can do the core setting, as the complete core is too heavy to be placed by one man.

After the bars reach the flogging floor they are first partially flogged by an air rapping-out device. This machine removes most of the core and rods from inside of bar and greatly facilitates the flogging operation by relieving the men of this difficult part of the work.

After being flogged the bars are gone over by an inspector, who examines them for defects and gauges them between the ears. This gauging is done to detect any bars which must have the ears pressed together or spread apart, as this work is done while still hot after annealing.

## Coupler Annealing

Bars are annealed in a furnace built for this special purpose, the castings being placed in and removed individually. After annealing, the bars are shot-blasted and then taken to the grinders. The outside of bar is ground with a swinging emery wheel to remove small fins, etc. The width of liner blocks is checked here by means of a gauge to insure this part of bar being the correct size to enter draft yoke on car. From the grinders the bars are taken to the chippers where one chipper drifts the pivot pin-holes, rivet-holes and key-slot and does any needed chipping on outside of bar. The bars are then set up on the butt end and a second chipper does the more particular work of chipping inside of head. After this is completed the bars are lined up on the floor for inspection, as shown in photo No. 3. The inspectors next go over the bars with the necessary gauges to insure interchangeability and proper operation; they also give the bars a careful inspection for defects after completing the gauging.

The bars are now ready for the fitter's or assembler's bench. Almost the same procedure in regard to annealing, hot blasting, chipping,

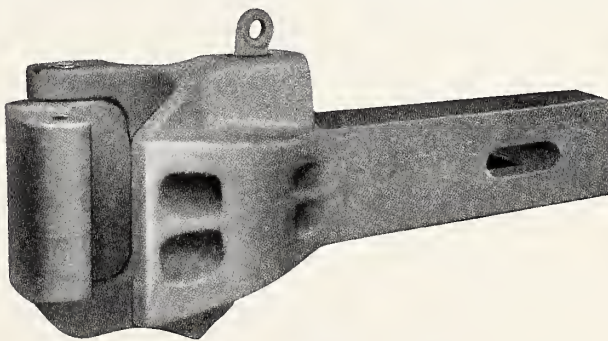


Fig. 3

gauging, etc., is followed in production of the parts, as has been described for the bar, so that the first benefit of the interchangeability feature is realized at the fitting bench.

The wisdom of this careful gauging is shown from the fact that one man can assemble one hundred couplers in ten hours as an average. This means only an average of six minutes per



coupler, to put the bars in line before bench, put on bench, assemble knuckle thrower, lifter, lock, knuckle, pin and cotter, test and make certain of the correct operation, try contour gauge, have bars inspected and passed by inspector, who gauges them with a standard A. R. A. Max and Min Contour gauge, and remove bars from bench. It is also necessary sometimes to try several knuckles in a bar to bring contour within Max and Min limits. Incidentally in fitting these one hundred couplers a man handles onto and off bench twenty tons of steel.

### Uses of Gauges

In regular shop practice seven gauges are used in head of bar to insure proper fitting of knuckle, etc. Five gauges are used on knuckle and five on lock. One combination gauge is used on lifter, this part being a drop forging. Very little gauging is necessary. One combination gauge is used on knuckle thrower or kicker; this part in the past, has been made a casting but the American Steel Foundries having worked out a scheme for forging these, the bars furnished by this company will now be equipped with drop-forged knuckle throwers. After being removed from the fitter's bench the couplers are taken to the shipping platform

where they are lined up as required, to be passed upon by the Railway Company's inspector before shipment.

In order to check up the annealing of each individual casting, several annealing lugs are cast on each bar and knuckle, one lug on each being removed by the chipping inspector, who examines the fracture, and, if found unsatisfactory, has casting returned to annealer. The remaining lugs are removed for the Railway Company's inspector.

Specifications for the "D" coupler do not call for a drop test, jerk test or pull test, such as is required for other types of couplers, it having been decided by the American Railway Association that these were in reality more of a test of design of the coupler than the quality of metal and were not necessary with the "D" coupler as the design of this was thoroughly tested during its development, before being accepted as a standard. The Tests required are standard tensile tests, cast attached to at least one coupler from each heat. Such experimental tests, made frequently on castings which have been scrapped, are of great benefit in determining the actual effect of the defect on the strength of the coupler, and are valuable guides to use in dealing with other castings showing a similar defect.

## HOW IMPORTANT IS YOUR JOB?

By

**Mr. JAMES J. EWING, Superintendent, Thurlow Works**

**T**HE greater majority of the readers of THE OCTAGON are engaged in the production of steel castings, or other products of the American Steel Foundries. It is quite true that some may have a more direct interest in the manufacture of these products than others, but have you ever stopped to consider how important your little job is, no matter what it may be, in the successful

manufacture of your company's products? Too many of us are inclined to feel that as long as we "get by," what's the use of bothering about anything else. Others will say, "Here goes, some one will catch it if it is not right." In other words, we leave it up to George. And if George fails, and fail he will, nine times out of ten under such circumstances, we come out with an alibi or any number of alibis, if necessary,



to show that some one else is to blame, rather than ourselves.

Each one of us has our own little duty to perform, for which we were hired by the Company, and for the execution of which we are being paid by the Company. If we neglect to perform that duty faithfully we are not justified in collecting that money. And now let us look and see just what it means when we fall down on our part of the work.

Let us take Sarah for instance. Sarah is the young lady who writes up the orders and sends them out to the Shop. She is handed a lot of customers' orders and writes them up. John Smith & Co. have ordered ten Track Wheels to be made from their pattern No. 1248, which should check to their drawing No. 4-168. Well, Sarah puts drawing No. 3-168 on the order. Bob checks up the orders but does not bother much about them as he knows that Sarah is pretty good on the job. Then the Foundry makes the castings, they come out pretty good and soon they are on their way to the customer and everyone feels satisfied that that is another order completed, and from the appearance of the castings, it looks like we would have a well pleased customer. So we forget that order. About a week later, Joe Rowbottom, over in the New York Office, gets on the long distance 'phone and raises shucks (whatever that is) about those ten Track Wheels we shipped John Smith & Co. After he gets settled down we find out the hubs are three inches too short and the customer cannot use them. Of course, it is very quickly found out where the error was made, but it's a poor time to find it out. Instead of having a pleased customer, we have a very much disgruntled one. The Company gets a black eye. The Salesman's work of soliciting orders is made doubly hard, as that error is going to be thrown at him for a long time to come whenever he shows himself around the offices of John Smith & Co. In addition to the above, the Company must stand the loss caused by the rejection of the castings and of course must re-

place them. Instead of making other castings on orders, the Shop must make up replaces. Of course, Bob says Sarah should not have made the mistake and Sarah says Bob should have caught it. It is the grand old game of Passing the Buck.

Here's another. Summers & Sons have an order in for 25 Annealing Pots. These pots are made from a solid pattern which has four lugs around the open end. These lugs support the pot when it is in service and it so happens that they fit into recesses in another casting. In order to simplify molding of these castings, the lugs are loose, being held in their proper location while ramming by two  $\frac{3}{8}$ " diameter dowel pins. The lugs are properly marked as to their location on the pattern so that the molder will have no trouble in placing them accurately, as these lugs have only  $\frac{1}{8}$ " clearance where they fit into the other casting. The pattern goes to the Foundry and is placed in the sand. The molder who happens to be Joe Painter, rams up the job to the point where it is necessary to crawl the dowel pins from the loose pieces. Due to the moisture in the sand the dowel pins have swollen and it is necessary to work and pull on them for quite a while. Finally, after a lot of coaxing and exertion, the pins come out and Painter goes ahead and finishes the mold. The next time he goes to put this pattern in the sand he remembers the trouble he had with the dowel pins and decides that he will use some large nails instead of the wooden pins. He secures some nails, locates the loose pieces with them and proceeds to make another casting. He failed to take into consideration that the diameter of the nails was only a scant  $\frac{1}{4}$ " whereas the holes in the pattern and loose pieces are  $\frac{3}{8}$ ". The Foreman fails to notice that nails are being used instead of dowel pins and the job sails along quite smoothly until a few days later when Jerry McVey, the Casting Checker, comes hurrying up to Bill Slawter, No. 2 Foundry Foreman, and advises him that the lugs on the Annealing Pots are all shifted. It is not hard for Bill to find the

trouble, but six castings have already been made, and upon a further inspection, it is found that only one of them can be used and that is the first one made on which the dowel pins were used. Before any more molds are made the pins are planed down a little so that even if they do swell, they will not fit tight. This is what Painter should have done after making the first mold instead of substituting nails. The result is that on account of Painter's carelessness, five good-sized castings go to the scrap pile. Delivery of the order is delayed and once more the Foundry makes replaces instead of being engaged in making other castings on orders. This is very unprofitable business.

Another typical example of the trouble and loss caused by carelessness is shown in the following: One of our largest customers wires in a rush order for fifty castings weighing about 300 pounds each, these castings to go forward by express as soon as possible. The pattern equipment, consisting of pattern and four core boxes, is sent to the Foundry. It happens that one of these core boxes has four small bosses in it that are made loose so that core can be drawn from box. The first day's production of these cores is satisfactory and the job moves right along. The second day the job is given to another coremaker and he works it for about a week when Jerry discovers that some of the castings are coming through without bosses. Pat Dougherty, Core Foreman, gets on the job and finds out that the coremaker, who made the first day's work, put the bosses in his cupboard so that they would not get lost and then promptly forgot about them. After a check in the cleaning room it is found that thirty castings have been made without bosses. Only two things can be done with these castings. Either weld the bosses on or scrap them. It would be cheaper to make the castings over again than to weld them, but we must consider the urgent requirements of our customer. Already ten days have elapsed since the receipt of his wire order and to start to make them over

again now would still further delay shipment, so it is decided to weld the castings and Mac (McGuigan, C. & M. Foreman) sees his costs for the month going up, due to having to work his welder overtime to get these castings out. This is all extra work and could have been prevented had the coremaker put the bosses in the core box where they belonged.

The above little incidents are only examples of hundreds of such happenings taking place not only in Steel Foundries but in every line of manufacture. If we would only try to realize the enormous loss that is caused by our disregard of conditions that we know full well are wrong and which cannot fail to cause trouble we would not only be more valuable to our employers but would be more contented ourselves as we would not have to worry for a week or ten days or perhaps longer whether or not the job was going to go through all right.

It is just as easy to do a thing right as to do it wrong and it is going to make it a lot easier for those who must take up the work where you leave off, if your part has been properly performed. If you will but stop a moment and analyze your work, you will readily see how important it is in the ultimate success of your Department, your Plant and Yourself.

Cheapness and compromise, substitution and surrender—these, in the long run, are the real sources of waste.

## THEIR FAVORITE DISH

Mr. H. C. Osman's (Special Investigation Clerk, Indiana Harbor Works) favorite dish is

### Chocolate Fudge Cookies

which is prepared in the Osman home in the following manner:

"Mix together one cup sugar, half cup melted butter, two squares melted chocolate, half cup flour, half teaspoon baking powder and two eggs beaten. Pour into shallow pan, sprinkle with chopped nuts, and bake for eighteen minutes.

Mrs. H. C. Osman."



Mr. Walter J. Kelly's (Ass't. Works Manager, Granite City Works) favorite dish is

## Lemon Cream Pie

which is prepared in the Kelly home in the following manner:

"Grate the outside rind of two lemons, adding a cup and a half white sugar, two heaping tablespoonfuls unsifted flour, or one of cornstarch, stirring together; add yokes of three well-beaten eggs, and beat all thoroughly. Add the lemon juice, two cups water and butter the size of a walnut. Cook until thick and remove from fire. When cooled, pour into a pie tin lined with pastry. When baked, spread beaten whites of eggs over, sprinkle with sugar and brown slowly in oven.

Mrs. Walter J. Kelly."

Mr. F. C. Johnson's (Receiving Clerk, Alliance Works) favorite dish is

## Peach Custard Pie

which is prepared in the Johnson home in the following manner:

"Line unbaked crust with peaches; cover with custard made of three eggs, four tablespoons sugar, pint milk, teaspoon vanilla and pinch of salt. Bake until custard sets.

Mrs. F. C. Johnson."

Mr. Milton J. Pfau's (Production Department, Hammond Works) favorite dish is

## Potato Dumplings

which is prepared in the Pfau home in the following manner:

"The day before using, boil and rub through sieve white potatoes, add enough flour to hold together, placing in the center of each, small cubes of bread fried in butter. Leave in boiling water until dumplings rise. Melt two tablespoons butter, one-half tablespoon flour mixed with one-quarter teaspoon salt and few grains pepper, stir until thoroughly blended; add one cup milk slowly, stirring constantly, and cook until smooth. Place dumplings in sauce a little before serving.

Mrs. Milton J. Pfau."

Mr. E. J. Vignos' (Night Watchman, Alliance) Favorite dish is

## Cantaloupe Honey

Which is prepared in the Vignos home in the following manner:

Prepare canteloupes by grinding edible part and mixing one cup of sugar to one cup of ground canteloupe. Boil from twenty to thirty minutes, skimming off foam that gathers on top.



What Every Foundry Man Ought to Know

Contributions by  
W. T. WORLEY, Hammond Works  
G. KANTROVICH, Hammond Works

## Microstructure of Malleable Cast Iron

The castings to be annealed are often called "Hard Iron" castings, and are very hard and brittle. This brittleness is due to the condition of the carbon which is combined with the iron in the form of  $Fe_3C$ . It is necessary that the carbon should be totally in the combined state before annealing, as the ductility to be imparted to the casting is to result chiefly from the conversion of combined carbon into rounded particles of soft graphitic carbon, usually called temper carbon.

The hard iron castings are packed in boxes with a slightly oxidizing material such as mill scale, or puddle cinder, to keep them from warping and also to facilitate the malleableizing of the iron. The boxes are then placed in the annealing furnace and subjected to a temperature approximating  $1400^{\circ}F$ . for 70 hours and cooled slowly in the furnace to a black heat requiring about five or six days, to complete the annealing operation. The temperature and length of the annealing operation vary according to the process of melting and the kind of castings wanted.

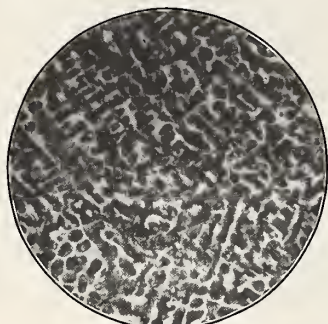
The carbon at the surface of the casting is acted upon by the oxygen of the packing material and this lowering of the carbon content near the surface increases the affinity of the iron for carbon at this point and thereby causes the carbon to migrate from the center towards the surface, giving a gradual decrease in carbon from the center to the rim, which is about one sixteenth of an inch, and is practically decarbonized.



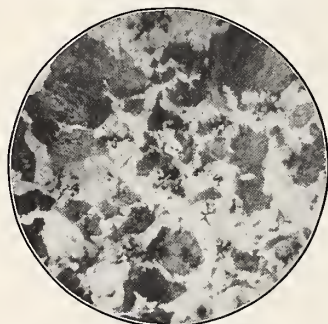
The illustrations in this article show black heart malleable, etched and magnified 100 diameters.

## Jigs and Fixtures—Their Use and Construction

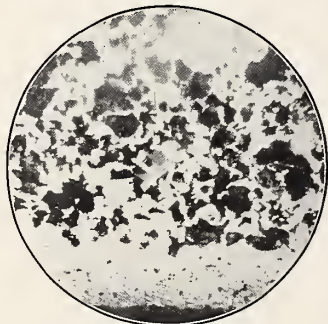
In these days of modern manufacturing, jigs and fixtures have become necessary both for interchangeability and reduced cost. A good design depends on the practical knowledge of the designer. The first thing that should be considered in designing a jig or fixture (this would also apply to dies) is the quantity or number of pieces required for one order. The designer also should ascertain whether this particular piece is used on other orders, or whether the order will ever be repeated. This rule would naturally apply only to a product that has not been standardized. By this I mean such pieces as a Double Jaw or Truck lever, where center distances vary by a fraction of an inch only on different orders. Take for instance a standardized product, such as a sewing machine, cranes, gas engines, deck engines, etc.; the designer need not hesitate about the kind of jig to design, knowing that his jig will be used until there is a radical change in the design of the product. A jig or fixture should be of such design that it will do the work accurately, so that when it reaches the assembly department, it can be assembled without filing, hammering, grinding or blocking to make it fit the general assembly. This also makes interchangeability possible. In case of breakage or wear of a certain piece on the finished product, it can be replaced quickly and at a minimum cost to the buyer. A jig also must be so constructed as to make loading and unloading in the shortest time possible. The operator of the machine must not stand and hammer or drive wedges to load or unload the jig. The jig being in itself a drain on the manufacturer's purse, there is no reason why he, also, should pay for the hammering that can and should be eliminated. Where a piece of work, such as a forging or casting, is to be drilled, but the order only calls for, say, about one to two hundred pieces, it would be folly to make a first-class jig, as the expense of the jig or fixture would probably be greater than the profit. On the other hand, if we have a product that will stand intense production, and we make a poor jig, say, without having all contact points hardened and ground, tool steel bushings, etc., the jig will soon be a mass of junk with a little rough usage. Oftentimes a template is considered a jig. Take, for instance Truck Levers;—evidently the cheapest way to drill them would be to drill one lever, perhaps stick some hardened bushing in it, and call this a jig. How to use or make use of such a template, we have to leave a good deal up to the foreman or the operator. First they have to find or make clamps with which to



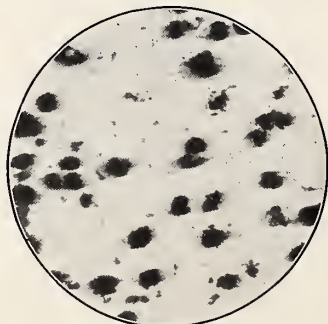
Hard Iron  
White—Cementite. Dark—Pearlite  
C.C. Mn. Si. P. S.  
2.55 .30 .90 .160 .060



Partially Malleableized



Decarbonized Rim



Completely Malleableized  
White—Ferrite. Black—Temper Carbon



clamp the template and work together on the drill press table, and also find parallel bars to raise the work off of the table, either of which may or may not be handy. This, of course, is better than to lay the holes out on every lever, as they will be drilled more accurately and faster. Considering the fact that we have a large number of Truck Levers, to make a jig for all of these would not be practical. The most practical thing in this case would be to make a more standardized Truck Lever, or, if this were not possible, make a jig to take about ten of the commonest or most used levers. There seems to be a mistaken idea in some plants that a jig or fixture is only used on drill presses. The fact is, however, that a jig or fixture is, and can be, used on every known machine in the market. This eliminates skilled labor and any man that is shown how to operate a machine should become proficient in this one line. A jig or fixture is usually made by a tool room well equipped for this kind of work and men experienced in this line. They are also kept in repair by this tool room. A careful record should be kept of every jig so that it can be located quickly when needed.

Mr. Grayson Shropshire, Sr., or "Yellow," as he is most commonly called, came to Chester, Pa., twenty-seven years ago and secured his first job with the American Steel Foundries as a Chipper in the C. & M. Department. He worked at this for two years, receiving promotions in the following succession: Drop Saw Operator, one year; Crane Electrician, twelve years; Planer Operator, one year; Electrician, seven years, and Locomotive Crane Operator in the Yard Department, his present position, four years. "Yellow" enjoys the honor of having been "bossed" by fifteen different men in the Yard Department, but the fact that the eldest of his five children is already employed by the A. S. F. at Thurlow as Crane Operator shows that he is not opposed to his son's following in his footsteps. Mr. Shropshire is forty-two years old but does not look it.



## WHO'S WHO IN THE AMERICAN STEEL FOUNDRIES



Mr. W. S. Trowbridge, Assistant Chief Draftsman of the Truck and Bolster Department, Sales Engineering, General Offices, began work at the old Schickle, Harrison & Howard Iron Company plant, East St. Louis, March 28, 1902. Later, when the consolidation of that Company

with the American Steel Foundries occurred, in about 1903, Mr. Trowbridge was transferred with others to Granite City where he remained until the Sales Engineering Drafting Department was removed to the General Offices at Chicago. Mr. Trowbridge's name is frequently seen among the patent records of the Company and his work is connected with all phases of the Sales Engineering end of the business. He is married and has two daughters.

Mr. Richard Pearce arrived in the United States from England (where he was born September 22, 1861) during June, 1887, in time to start working in the Molding Department at the 59th Street Plant of the American Steel Foundries by the middle of that month. Shortly thereafter he was made Stationary Engineer and has completed a term of thirty-four years' service in that same position. Let us state, however, that of this period "Dick" has worked twenty-six years nights, and is proud of the fact. Mr. Pearce is married and has a son and a daughter, both of whom are also married. Those at the Indiana Harbor Plant of this Company who know of Mr. Pearce's lengthy term at night duty feel that it constitutes a record. What do the other A. S. F. plants think?



Of all the employments of man, that of wishing is one of the poorest.



Vol. VI

SEPTEMBER, 1921

No. 21

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employes of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

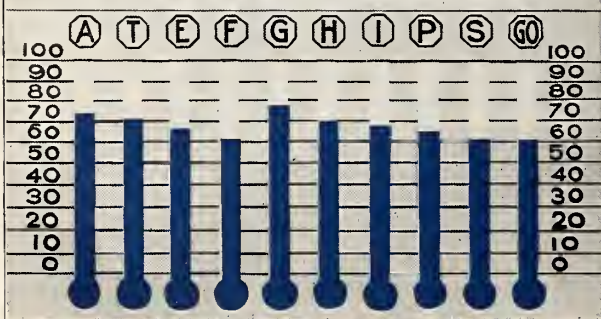
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RANK TO DATE OF WORKS AND DEPARTMENTS OF THE A.S.F. SHOWING SUPPORT OF THE OCTAGON



From the inception of the Octagon to September 1st

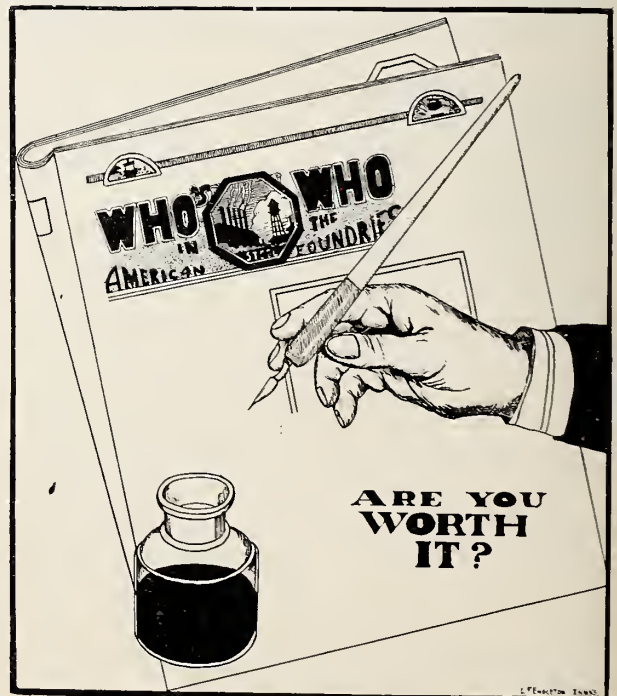
## Co-operation

What does it mean? "The association of a number of persons for their common benefit," a very simple way of defining the word. When a man hires out to a new concern he must learn what relation his department has with other departments. Take, for instance, our own factories, when the Open Hearth begins to prepare for a heat, they depend on the Yard Department to furnish them with the various materials, etc., then the Yard must have the materials on the ground and depend on the Supply Agent to have them in the Yard. The Yard also depends upon motive power to deliver the goods to the furnaces. Then the Foundry must have sufficient molds made to take care of the heat, they in turn must depend on the Molders, Core Room and Sand Mixers as well as power, etc. Then we must remember that the Overhead and Clerks are busy classifying the work in order to secure best and quickest results.

Now then, "Co-operation" is just what the Managing Editor of THE OCTAGON needs. He looks to the Associate Editors for help and they in turn solicit the help of all the employes of the American Steel Foundries. Let's all get together and help our Associate Editors and make THE OCTAGON a howling success.

(Geo. Funkhouser, Alliance.)

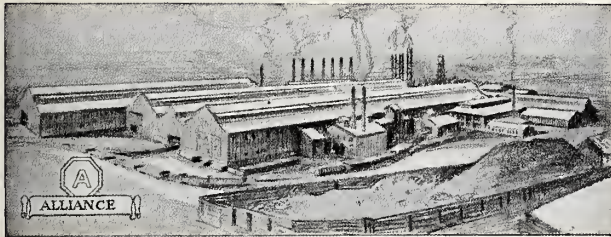
To the minds of most sales representatives scattered over the Planet at the present time, a salesman is about the most independent species of human existence yet found—he takes orders from nobody.







# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

C. L. Lechler, Forge Shop Clerk, has taken unto himself a wife. Bert Woods, Forge Shop Foreman, says he talked to him with tears in his eyes but to no avail. We all wish you the best of luck and happiness, Lech.

The new Entertainment Committee of the Goompf Club gave their first dance at Rockhill Park, Coy's orchestra furnishing the necessary stimulant for the dancers, who numbered eighty couples, and from the way everybody frolicked, it must have been a success.

After much expenditure of hard labor, the C. & M. Department has at last succeeded in taking the "Clean Up" sign away from the Yard. Congratulations to the C. & M. (Editor's note: The latest reports take the honor away from the C. & M., this time the Core Department making the highest average.)

Will the girls of the office please explain to us why they require a "shimmy-stitch sweater" when shimmy dancing is barred?

Boy Scout, Major Hole, says he is no friend of President Harding on account of his stand on the bonus question. Go after him, Bob.

Mr. Norman Sudeck took Dad's flivver out a short time ago and side-swiped a truck to the tune of about \$85.00. Norman almost lost his home on the strength of this.

Mr. E. P. Kinne, acting as Chairman of the Alliance Rotary Club, recently invited the American Steel Foundries Orchestra to favor the Club with a short program at a noonday luncheon. This might be called the boys' first public appearance, and we understand they were enthusiastically received by the Rotarians. The local Plant has reason to be proud of this aggregation of talented musicians.



Miss Genevieve Manful

Miss Genevieve Manful, twelve-year-old daughter of Mr. D. F. Manful, Carpenter Foreman at this Works, won first place in a parable contest which was held in connection with the State Christian Endeavor Association Convention at Dayton, O., where each County was entitled to one representative, who was required to learn ten parables and to give whatever one she drew, telling the story and explaining

its meaning. It is unnecessary to add that this accomplishment on her part has made Mr. Manful a proud father.

Mr. M. M. MacPherson has returned from his second visit to Detroit. This looks powerful suspicious to us "Mike," and we'll be looking for the candy and cigars shortly.





Left to right: Nick Gronciu, 1 year's service; Silvestro Capuzi, 7 months; Mike Stoica, 2 years; E. P. Blatchford, 1 year; John Grama, 2 years; John Oleander, 3 years; Wm. Tuphe, 1 year, and Andi Sandi, 2 years. Flogging Dept., at Alliance Works



Mike Ryan, Pipe Fitter, 5 years' service at Sharon



A. B. Clark, Watchman, Clock House, and A. Torstensen, General Labor Foreman, Hammond Works



H. A. Cooper, Asst. Pipe Foreman, 10 years' service at East St. Louis



Left to right: F. Zohalski, 3rd Helper, 7 years' service; B. Palfrey, 2nd Helper, 4½ years; Gus Dixner, Head Melter, 22 years; F. Kornet, 1st Helper, 5 years; T. Pilma, Stoker, 10 years, and J. Kopcok, Stoker, 7 years. No. 1 Foundry, Furnace Dept., Indiana Harbor



Eugene Faust, Engineer of Tests, at East St. Louis, 8 years' service





e Miksick, Molder, 5 years' service, and Tony Vi.iano, Helper, 1 1/2 years. Pittsburgh Works



R. E. Power, Master Mechanic, at Chester Works



B. Fringer, Acting Engineer, 2 years' service, and L. B. Dunnigan, Special Apprentice, 2 1/2 years. Chester



J. Haywood, 5 years' service; F. Evans, 2 years; W. Anderson, 5 years; and J. Flanagan, 5 years, Chief Inspector, Inspection Department, Indiana Harbor



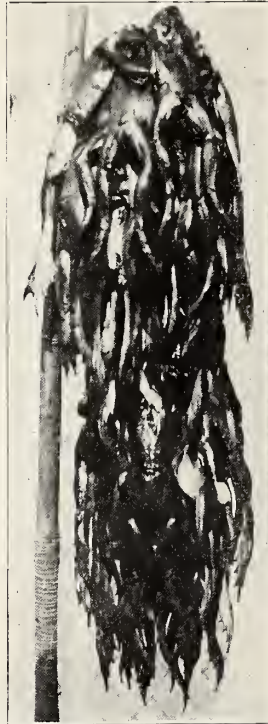
Dispensary, Pattern Shop, Machine Shop and Engine Room at Franklin Works



Left to right: Virgil Perkins, Rigger Helper, 1 year's service; John Stroke, Rigger Helper, 3 years; Harry Klein, Rigger, 5 years, and John Shoulet, Rigger, 10 years. Granite City Works



Two old plugs, "Pop" Alexander and "Slick" Packer, accepted an invitation from Joe Wagner to spend their vacation at his shack on French Creek. The trip over was devoid of incident, with the exception of stopping at the county seat of Mercer County. After taking 400 pounds of duffle up the creek to the shack and putting the place to rights a frog hunt was indulged in and twelve beauties were peppered through the gumgoozleum. They were so big that Slick and Pop thought they were hunting "Pierce Arrow" Touring Cars. After a supper of "Pierce Arrows" a little game of rum was indulged in and then lights were turned out and the bugle sounded retreat. Next day Joe, Pop and Slick took the dory and drifted down stream to the crab field and stocked up on bass lure in the shape of soft-shelled crabs, peelers and mushers. It being Sabbath, a day of rest, Pop and Slick let Joe catch the elusive back-sliders. The next day they undertook another frog hunt, resulting in ten big ones. Then a fine supper of frog legs, etc., more rum and then hay! The following day a beautiful rainstorm descended upon the valley and spoiled any chance of fishing for the morning. Same luck all week; lots of paddling but no fish. (Some days you can't lay up a cent and this vacation was no exception.) This would be a fish story if they had caught any fish, but "froggy" as it is, you can call it any kind of a story you please.



A Catch of Fifty Frogs (2 hours' work) by "Pop" and "Slick"

Misses Rosenberg, Keefe, Ailes and Robertson have returned from their vacations. They all report that they had an A-1 rest.

Mr. George Hill is proving to be a most efficient assistant in the dining-room.

Our sympathy is extended to Mr. R. D. Pettit in the loss of his Ford. Such is life.



## Chester

Mr. Robert Shaw, Ass't. Works Auditor, and family have returned after a very enjoyable vacation at Beach Haven, N. J. Bob got a good coat of tan from bathing and fishing.

Miss Lena Barnes, of the Accounting Department, had a most pleasant vacation at the home of her parents at Crisfield, Md., while Miss Virginia L. Walls, Telephone Operator, spent her vacation in the old Cornercracker State at St. Michaels and Baltimore, Md. While in Baltimore, the sights were enjoyed together with Miss Margaret Whittle, Sales Department Stenographer, and from all accounts, the old Monumental City was done in great shape.

Mr. George Cuff, our old war horse in the Night Shake-Out, is back helping molders in No. 1 Foundry.

The body of Mr. Lawrence J. Emmertz, one of our molders, who paid the supreme sacrifice in the World War, has arrived home and been buried at the Immaculate Heart Cemetery. The American Legion had charge of the remains and the services were held at the Church of the Resurrection at 11th Street and Highland Avenue.

Mr. Thos. Masticola, of the Electrical Department; better known to the boys as "Scrubbing Brush," is all full of smiles here of late. Masticola claims it is the trucking business that makes him so, because he can grow egg plants on vines.

Mrs. Gurnsey Gray, Nurse, has returned from a two weeks' vacation at Yankee Lake, N. Y.



Arthur Bergantz, 12 years' service, Repair Shop Foreman, Chester



Mr. James Mackey, Shaper Operator in No. 1 C. & M., one of the old timers at Thurlow, states that while it is not generally known, about 36 years ago there was an artesian well in what is now known as No. 2 C. & M., from which the employes secured their drinking water. Jim states that the water from this well was always very cold and clear as crystal. This is an interesting bit of history connected with Thurlow Works, that possibly few of the present employes were acquainted with, and if any of the older or younger employes are acquainted with items of a like nature, let us know it and we will pass it on. We are all interested in such things.

Mr. Jacob Hoffmeyer, an employe of the Alliance Plant for the past 33 years, paid a visit to Thurlow Works while on a visit to his brother at Wilmington. We hope all employes of the American Steel Foundries, whether from Alliance or any other Plant, will always come and look us over.

Buck Major, No. 2 C. & M. Crane Operator, is a World War veteran. Some of the fellows were not acquainted with this fact until the other day when seventeen planes, forming a bombing squadron, passed over the Plant and they saw Buck dive for the dugout.

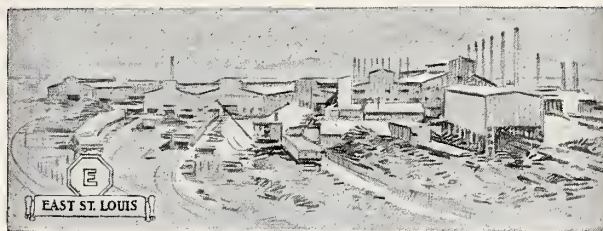
Mr. D. Garvey, Steam Hammer Helper, was a recent visitor to Betterton, Md. Dave claims the fishing was great but we haven't smelled any fish frying around Trainer lately.

Mr. Anthony Schulthise, Molder Apprentice, and better known as "Pete," has been away with the Pennsylvania National Guard at Mt. Gretna, learning to be a good doughboy. "Pete" claims he at least won't get any black eyes in the infantry. Mr. Harry Leary is also learning the soldier game at Mt. Gretna with the Pennsylvania National Guard.

Mr. Harry Hurd of the Repair Department is again wearing the smile that won't come off, due to the arrival of a nice little baby at their home. Mr. Harry Riley, Pipefitter Foreman, is also passing around perfectos on the new arrival at his home.

Mr. Harry King, Repair Department Clerk, had the misfortune to have the chain of the bicycle on which he was riding, part when he was coasting down a hill. Harry is no novice at riding bicycles but he had to go to the hospital for repairs. Outside of skinning his elbow, arm, legs, and hands he was all right.

Mr. C. G. Morgan, Safety Inspector, is passing around the perfectos on the arrival of a 10-pound baby boy at his home.



## East St. Louis

After an absence of several weeks, due to an attack of typhoid fever, Mr. Alexander Smith, General Pattern Foreman, is back on the job, and hitting the ball as usual, according to the Pattern crew.

Mr. Martin Reiss, our popular Metal Pattern Foreman, has purchased a brand new Dodge roadster, with spot light, side windshields, n'everything. Mothers, call in your daughters now.

Mr. Thomas Baylor, Ass't. Works Auditor, had a two weeks' vacation tour in Southern Illinois with his family. The Briscoe was hitting on all fours, and Tom reports a wonderful trip.



T. J. Baylor, Assistant Works Auditor, 5 years' service at East St. Louis Works

Patience and determination will win for most of us nine battles out of ten.

Since Mr. John Schmidt, Labor Distribution Clerk, was transferred to Granite City, Mr. C. Plesse, Cashier, can be seen among the many sheets of Form A-119-S.

Mr. L. W. Egan, Special Engineer from the Chicago Office, was struck by an auto truck at Broadway and Collinsville Ave. in East St. Louis and slightly injured.

Mr. Tony Haenlein, Storekeeper, states he don't mind tending the Yard Clerk's duties now but he would have liked to check in the car of 4.5 per cent confiscated in the Illinois Central Yards the other day.

Mr. Martin Gilligan, Pattern Department Clerk, spent a two weeks' vacation at Dieke, Mo.

We are in receipt of a letter from Mr. O. E. Mount, Works Auditor, thanking the East St. Louis Works Organization for the beautiful floral offering, sent at the death of his Mother.

Mr. L. V. Day, Works Engineer, has returned from a two weeks' vacation in Chicago and the Northern Lakes and reported the fishing good.

We might inquire of the Granite City Editor, if Mr. J. Frei, our Chief Draftsman, who was recently transferred to that Works, has been telling any weird tales.

Mr. H. Mitchel, Works Councillor from the Foundry Division, is congratulating himself on the completion of the job placing number plates on all equipment.

Mr. J. Evans, Master Mechanic, says he expects to sing just as loud at the Family Picnic to be given by the Granite City Works as he did at the Mulligan. Don't do it, Jim.



## Franklin

Mr. L. E. Reese, our Master Mechanic, has returned from a trip to his former home in Alliance.

Several of the young ladies from Pittsburgh Works recently called at the office and paid us a short visit. They had been spending their vacation up the Creek, and reported that after a three years' attempt they had finally caught one fish.

We understand that a recent carnival company which appeared in our city benefited very much by the patronage of our Pattern Storage force. How about it, Ben?

Our Night Watchman, Mr. W. D. Elliott, has changed politics, as it is reported that he has turned Republican instead of being a Prohibitionist. At least, we would like to know why the elderberry bushes behind the Pattern Storage will not have their usual crop of berries this year.

Mr. C. H. Richardson, our Pattern Storage wizard, at this writing, is looking forward to the time when he will be angling for the speckled beauties that inhabit French Creek. At the present time, some foreign substance is being emptied into French Creek which is poisoning a great many fish and polluting the water so that fishing and bathing are impossible. (But, Charley, there will be a few fish left when your vacation comes around and perhaps they will be the largest.)

Mr. Harry Leyda was absent for a few days, the victim of a heat stroke. Although he was in quite a serious condition for a few days, he finally got the upper hand and was soon back on the job.

The Misses Josephine Miller and Gay McCrady have enlisted in the drive to secure funds for the improvements to the hospital and the erection of a nurses' home. Although local conditions are not very favorable, from the spirit being manifested financially, the goal of \$100,000 seems attainable.



O. G. Murphy, Blacksmith Helper, 4 years' service, Franklin

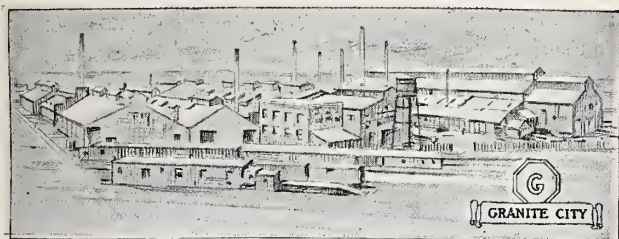
Mr. W. T. Cribbs, our Safety Inspector, has returned from a two weeks' vacation trip to Pittsburgh and vicinity.

Mr. Larry Reese has returned from a very enjoyable vacation spent in the wilds of Ohio. The weather was unusually fine and a great time was had by all the Reese family.

According to all rumors, Bennie Karns was injured quite seriously when he tried to dismount from a Ford that was going at full speed, but when we found that he was uninjured, we are led to wonder how much excitement would have been caused had he been really hurt.

Mr. C. S. Singleton is certainly getting to look old now that he is "Daddy," but as far as we can learn, he is feeling just as young and has the same ideas for excitement in spite of his advanced age of 22 years.





## Granite City

Mr. N. Merritt returned to work after an absence of several months, due to an injury. Newt says he sure is glad to be back on the job again.

We have three McDonald brothers now employed in our Foundry Department, James, Harry and Carl, and it is hard to decide which one is the best looking.

Mr. John Werle, of the East St. Louis Plant, has been transferred to this Works where he is working as Yard Clerk.

Mr. A. H. Robertson has returned to work after spending several weeks in Nebraska. "Happy" came back with a good coat of tan which made its appearance after loading a number of hay racks.

Mr. Ed. Dowell of the East St. Louis Plant made his appearance at this Works, and worked as Relief Clerk in the C. & F. Department while W. Winters was enjoying his vacation.

Mr. Oscar Heineman invited a number of his fellow workmen out for a fishing trip and then took them to a secluded spot where the members of the finny tribe do not abound. For further particulars see Mr. P. Lauff.

At Waterworks Park, on August 20, Granite City enjoyed another frolic in the nature of a "Family Picnic," where there were games, races and other sports for everybody; swings for the "kiddies," dancing for all those who cared to dance, in short, every fellow was entertained according to his taste. Speaking of "taste," there was nothing wrong with the real chicken mulligan and accessories that were served at the right time in the right way. The Transportation Committee saw that enough machines were in service to convey the crowds to and from the park. The Committee in Charge of Arrangements, Messrs. W. P. Anson, Henry J. Fechte and E. H. Tinker, upheld their reputation for handling such affairs successfully.

A Knight of the Bath would be a suitable title for George Coke who wanted to bathe for an entire evening during the recent hot spell.

Mr. Bob Mathews recently had charge of the File-room while Mr. C. Ruhlmann was at home sick.

A current event, which was shocking, burning into the hand of Mr. J. Rayburn was the sensation he met, when he picked up a live electric wire which was laying on the ground.



Bryan L. Compton, Pattern Cost Clerk, 4½ years' service, Granite City

Paddy DeVaney lost his pay check recently and before he could report the loss one of our workmen found it and returned it to the office. Granite City workmen believe in restoring lost articles to their rightful owners.

Mr. W. J. Hess could be seen nightly taking in the free shows which were showing in the little burg of East St. Louis, this summer.

Mr. P. Hackett has taken up his residence in Granite City, which will enable him to save carfare and help his bank account along.

The completion of a pipe line from the Fuel Oil Storage Tanks to the R. & M. Department has led us to believe that Arthur Prout may have invented a device to burn Fuel Oil in his automobile. Messrs. Paul Guilmann, Bill Colson, Joe Glover, J. Winters and several others who are very familiar with Mr. Prout's resourcefulness as a Master Mechanic, have strongly confirmed our suspicions, although Mr. Prout steadfastly maintains that the line was constructed for heating rivets in the North Plant.

Mr. W. P. Anson, Safety Inspector, has become quite a chicken fancier. His chickens will no doubt be large enough for display at the next St. Louis Poultry and Pigeon Show.

Mr. Ed. Duncan has succeeded in finishing the painting of his house. Ed had to borrow a ladder from the Granite City fire fighters to reach over the windows.

Mr. J. J. Sheridan, our Storekeeper, spent his vacation around Niagara, American and Horse-Shoe Falls. While visiting there he did not overlook Goat Island and the Cave of the Winds, which he found to be very interesting.

Mr. Will Johnson says there is no place like home. Will has been away from this Works for some time and was well pleased when he secured another position with the A. S. F.

## Foundry Parlance

BY YOCUM YAR

"Oh, dear!" said the sweet little typist  
As she took up her duties quite new.  
"I don't comprehend, quite, the meaning  
Of the terms in these letters, do you?"

"Do the men drink the drops on a casting,  
Or feed anything to the crane,  
Or charge any bills with a charger?—  
Will someone here kindly explain?"

"And is it the draft on a pattern  
That causes the chills in a mold?  
And how can they weigh heats in winter,  
When everything else is so cold?"

"They can tap without making a noise,  
And cast both their eyes in a mold;  
But they never eat soup from the ladle,  
At least, that is what I've been told.

"How men get a crush on a casting  
Is more than a mystery to me!  
There are always so many nice typists  
So willing to marry, you see."

Dr. Lew Sharrock spent his vacation at Creve Coeur Lake, Mr. Clyde Jackson went to Litchfield, Ill., Mr. Broyies, of the Foundry, to Joplin, Mo., Mr. W. Brauer to Jefferson City, Mo., Mr. S. Young spent his time at points on the Mississippi River, Mr. C. A. Schultz visited about St. Louis, Mr. F. Butler was near Alton, Ill., and Mr. Henry Ballett, Ass't. Foundry Foreman, indulged in an extensive motor trip.

Mr. Lon May, Foundry Superintendent, recently traded his old Dodge car in a deal for a new one. (Granite City Speed Cops, please take notice.)

Mr. Clifton Edrington, Mold Checker in the Foundry, is selling chances on his piano, which he is to raffle off in November. Seems like another case in matrimony. How about it, Cliff?



## Hammond

The below-mentioned "vacationers" have given the following accounts of their movements:

"Happy" Stevens, Ass't. Supt. Ajax Dept., spent two weeks at LaFayette, Ind., Joe Mecum, at New Franklin, Pa., Milton Pfau (Clasp Brake Production) and Elmer Pfau (Machine Shop, Clasp Brake) camped at Kankakee, H. R. Leigh, Die Checker, in Detroit, Tom Gilfillen, Asst. Storekeeper, drove to Niles, Mich., Paw Paw Lake, St. Joe and other points, Emil Ohr, Electrician, and Harold Ohr, Cost Clerk, at Eau Claire, Wis., Misses Lila Shaffer, Secretary to Works Manager, and Bess Fagen, Clerk in the Accounting Dept., at Lake Zurich, Wallace Martin, Chief Clerk in the Clasp Brake Dept. and family in Wisconsin, Mr. Dullum, Draftsman, at Delavan Lake, while Bill Raasch, blue print boy, was on a farm at Kickapoo, Indiana.

Mr. Theo. Tennyson and wife visited White City recently. Teddy says he won a sewing basket and six china cups and saucers all for forty cents.

Mr. Julius Ebert, of the Drafting Dept., spent his vacation painting his house, while Miss J. McCluskey, Telephone Operator, mastered the art of swimming during her vacation. (We would like to know which one she picked as "teacher.")

Miss Esther Schaeffer, stenographer in the Spring Dept., Mrs. Herman Dedelow, Stenographer in the Accounting Dept., Messrs. Precetel and Ruehl of the Drafting Dept. were Simplex representatives at a picnic, July 19th, at the Government Preserves over at Thornton, Ill.

We extend our sympathy to Mr. Frank Berwanger, Night Watchman of the Brake Beam Shop, whose wife passed away recently.



Mr. Harvey DeCamp, Clerk, Orders and Material Dept., and Mr. Walter Halfman, Chief Timekeeper, both report having passed pleasant vacations.

Mr. D. Hyams has been made Acting Employment Agent to fill the vacancy made by the resignation of Mr. A. L. Lee.

W. F. Raash, Blue Print Boy, has been transferred to the Pattern Storage.

Miss Jane McCluskey, Assoc. Editor and Telephone Operator, and Miss Inez Eaton spent the week end with Miss Lila Shafer (Stenographer for the Works Manager) while she was at Cedar Lake.

T. A. Ebert, Material Checker, is beaming on the world these days; the reason being the arrival of a baby boy at his home.

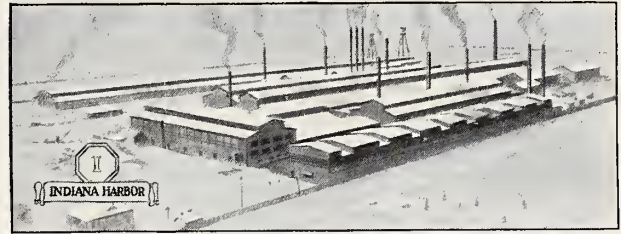
John Stamm, Chief Clerk in the Production Department, had a two weeks' outing at Magician Lake, Mich. This is what he says: "Caught one of the biggest black bass ever hauled in this season. It was a beauty." When Johnny worked up to his natural state, the bass was a mud-turtle.

Mr. Theo. Tennyson, Janitor, entertained at a family re-union this summer, the following being present: his father, 82 years old, and his mother, 77 years old, who live in Chicago; his brother from Chicago, and a sister from Minnesota.

Mr. Barney Conrath, Chief Inspector, has had his office moved from the Main Office to the Ajax Brake Beam office in the plant. This office is also occupied by Mr. R. G. Conde, Superintendent Ajax Department, and Frank Stevens, Asst. Superintendent.

Mr. A. H. McNab, Supply Agent, sported a red nose for a number of days caused, he said, by falling on the engine of a motor boat.—next time, we would suggest water which is cooler.

Mr. Otto, of the Accounting Dep't., was transferred July 18 to the Chicago Office.



## Indiana Harbor

The "Octagon" Cottage at Cedar Lake, Indiana, has been a regular tavern for the many employees from the Plant. The Messrs. Wallis and Suttie with their families have posted the "Open House" sign for all their friends. It is a beautiful little spot, close to the water, with plenty of fresh air, and a good time is guaranteed by the ladies, Mrs. H. and Mrs. S. (P.S.—They also serve coffee to those making the trip; might think it over boys.)

(Signed) Mrs. & Mr. H. Voight,  
Mr. & Mrs. L. Engleton

The Harbor Works are not to be outwitted by state roads commission. We now boast of a private stretch of excellent road extending from the gate to our Storeroom. This highway is known as "Bailey's Road."

THE OCTAGON has identified another Murley; this one a resident of Reading, Pa., personally wrote to our Mr. Fred T. Murley, inquiring of any blood relation. Mr. Edwin T. Murley was anxious to learn of his lost relatives and of course picked on Fred, while F. T. M. claims all the Murleys he ever ran across were either bartenders or candidates for the P. H., not to mention foundrymen.

Miss Hattie Koch surprised all the Plant since her return from Bass Lake with a cute little blossom below her nose.

The "Cantripem Club" has organized and up to date has enrolled several of the employees. Our present membership list the are Messrs. Suttie, Voight, Parker, Wallis, Murley, Engleton, Greene, Pattello, Barrell, Cozza, Waldner. Anyone wishing to join kindly place your name with L. F. E., and your card accompanied with the "sign" will be presented during the next shop drive.

Mr. Jesse Bailey (G.Y.M.), also Chief Hogger, week-ends, has developed a new scheme while driving Old 10-Spot. When coming to an open switch, Jesse applies the air and jumps out to 'er — "ain't bad for a fat man?"

Capt. Harry Barnum, of Company No. 5, pulled a "Merkle" the other day during a practice fire drill, when he instructed his "ponies" to the wrong spot. Harry claims the shop is laid out so that no one can tell North from South, especially when all "he't up" and excited.

Did anyone hear about "Johnnie Methgen" taking home a few black aces in a recent pinochle game? Sounds funny, but John held and held and held them, until — well, you have three chances to decide the result.

"Scotty" Campbell claims he has checked more engine frames in the past few weeks than he has since he began working here, something like eight years ago.

Mr. J. A. Suttie is now carrying two watches, and says he is getting all the time he wants between C. L. and I. H.

Mr. Carl Boebel has been transferred from the Order Department to the Pattern Storage, to assist in the pattern inventory.

The Production Control Department has been fitted up with new awnings which has made the office very attractive.

Mr. Adam Wallis, Machine Molder, lost his clothes and a little money in a fire which destroyed his home. The Plant extend their sympathy in his hard luck.

Mr. D. T. Sterling has been classed as the fastest man entering our dining-room. Someone suggested taking off the screen door, making less work for our friend D. T. S.

Mr. Waldner has introduced a pretty little waltz entitled the "Muskegon Blues," and claims that Herman Dratz began his dancing career with the same melody. Now, look at both of them some noon hour.

When the season calls for repainting motor cars, Al Getty of "Gasoline Alley," exposed his original idea in introducing the very latest paint remover, and we have several witnesses who identified his "Oakland's" doors and fenders, lying in our sand blast. (Next time try out the valves as a simple carbon chaser.)

We have heard about the three bears out in the woods, but did you hear about the three men who went to Plant No. 3 one day. Something buzzed and two of the men ran away while the third one remained. The result was a 40-H.P. Hornet parked on the third man's ear, as usual causing great pain. Something like the story about the live coward or a dead hero applies to the first two men.

Johnny Voight has purchased a D.B. and claims he is prepared to make a coast to coast trip. (We think Jack meant a trip to the A. & P. Store for a box of Lux.)



Front row, left to right: Miss M. Stevens, Stenographer; Mrs. N. Landell, Distribution Clerk, 1 year; G. L. Alston, Works Auditor, 14 years; Miss A. Thomas, Assistant Cost Clerk, 8 years; Miss W. Hofmann, Stenographer, 1 year. Back row: R. C. Moss, Assistant Works Auditor, 5½ years' service; L. Pienta, Mail Boy; H. Alexander, Pattern Cost Clerk, 6 years; H. Stoll, Cost Clerk, 3½ years; M. J. Fettes, Cost Clerk, 4 years; H. Krauel, Assistant Cost Clerk, 3 years; J. Creech, Stationery Clerk, 3 years; H. J. Erkenwick, Classification Clerk, 13 years, and C. Greiser, Classification Clerk, 2 years, Accounting Department, Indiana Harbor Works

"Painting the town red," touches our Mr. Swanson, of the Safety Department, only his duties are painting the fire boxes with scarlet color. He reports all stations as being in need of a new coat.

Messrs. Slaughter and Van Winkle have been employed at the Plant as Special Apprentices.

Our "Margaret" Flynn has introduced the latest in dress, this being a "Peacock Green Jersey Sport Model," causing many to think her a Sin Feinner.

The Pattern Storage employes have installed their new sections and marked same in accordance with the latest system of stocking patterns.

Mr. E. Phelps Langworthy, formerly assistant to Mr. M. E. First, announces the arrival of William Maus Langworthy, June 24, 1921. His many friends throughout the organization extend their congratulations to the little fellow, Dad and Ma at Buffalo, N. Y.





## Pittsburgh

Miss Edna Eiffler went to Wildwood by the Sea for two weeks' release from the trials and tribulations of the Accounting Department. She was warned about sharks but she said that she wasn't afraid of *any kind* of sharks.

Mr. Harry Zollinger and daughters, Louise and Hilda, Mr. and Mrs. John B. Davis and daughter, and Miss Hilda Voelker spent a very pleasant Sunday at Lake Erie recently.

Besides losing a ball game to the Y.M.C.A., we were also relieved of a bat. How come.

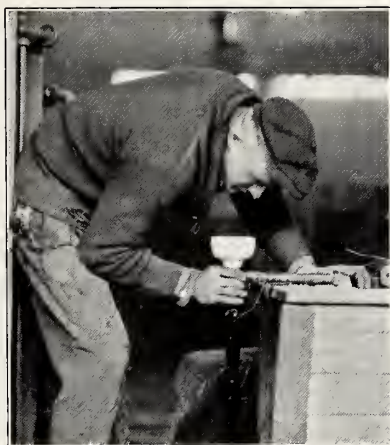
Mr. Victor Cherry, our Shipper, has returned from a vacation spent in the wilds of Coraopolis. "Vic" looks very good and reports having had a very enjoyable time. But it hurts awful to come back to work.

Mr. Louis Weis got back on the job after two weeks' vacation spent in a Ford.

Mr. Joe Whalen heard someone say, "Going up?" "Sure," said Joe. Result: Our Joe is now a first helper on the furnace platform. Congratulations, old-timer.

R. G. Arn and J. P. Collins, E. B. A. Trustees, attended the meeting in Chicago on August 25th.

Miss E. K. Eiffler, Messrs. Joseph MacCord and R. G. Arn spent their vacations at Wildwood, N. J. All report a good time, with lots of bathing.



John Ferderber, Molder, 6½ years' service at Pittsburgh

Several of our number would like for Granite City to explain what they mean by a "Mulligan." We have had several blow-outs, but this is a new one. Jack Holmes said he thought it was called after the Green River and Irish Moss. We think Jack is right.

Strange to relate, the "sleuths" around Pittsburgh Works scent another romance. Our genial truck driver, "Eddie" Klause goes around studying the dictionary in order to get the exact words to use each time he writes. And she must be a Keystone State damsel, because all you need to say is "Johnstown" and "Eddie" grins and holds his heart, while he fondly murmurs, "Oh, you baby!"

Mr. Thomas Connolly, Coremaker, claims that "people are dying now that have never died before." Tommy had difficulty in finding a place of safety after that explosion.

Mr. Jack Holmes, Melter, said it is not safe to go out after dark any more. Jack seems to be talking from his own recent experience, when he was Kay-O-ed into a peaceful slumber and his coat, hat, collar and tie were taken from him.

Charles Schmidt, formerly Assistant Carpenter at this Plant, who was killed in action at the battle Bealeu Woods, France, was buried from his home at Evergreen in July.

We extend our sympathy to Mr. H. E. Zollinger, Brickmason Foreman, whose brother died suddenly.

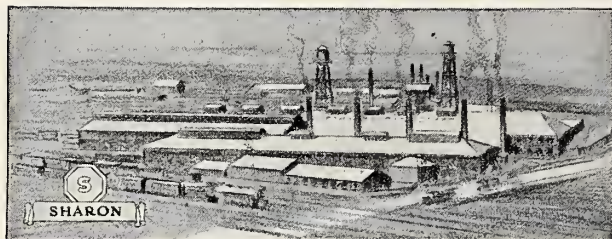
Mr. A. J. Stephenson, who has been at Chester for some time past, is again back at Pittsburgh Works.

Mr. and Mrs. H. W. Petty, Louise Zollinger, Mary Greene, Elmore Boles, Harry and Hamlin Petty spent two weeks' camping and fishing on French Creek. We expected some fish stories, but Oh, Baby, nuf ced.

We wish to congratulate Mr. C. B. Alexander on his very excellent article in the July number, "Passing the Buck." We would like to see him extend the article and take in the other pests, viz., Knockers, or those who continually try and tear down what others are trying to build up, viz., good organization.

Mr. Mike Hawkins has an Irish girl down at McKees Rocks. That is quite a long distance to go to see a girl, but Mike says that he would be willing to go twice as far for any real nice Irish girl. They're worth it.

Mr. Glenn Wilt, a former special apprentice here, recently paid us a visit on his way home to Franklin. "Spooks" looked natural and, from appearances, is being well taken care of in Alliance.



## Sharon

According to THE OCTAGON, they hold big parties at Alliance and Granite City, but we wish they could have been here for the real event we had here recently, especially our friend, Henry Ballett, as he could have helped us pile up more points. Guests were present from Youngstown, Ashtabula, Marion, Ohio, New Castle, Stoneboro and Clarion, Pa. The competition was keen but friendly in all events, Sharon winning by a safe margin.

Now that H. C. Kashner has received a fishing permit from the State, there is nothing to prevent him from catching everything in the Shenango.

Our Gramm-Burnstein Truck is somewhat like a Ford; if it takes a notion to stop, it stops. Yesterday, F. V. Ferguson was hauling some freight and the truck just suddenly stalled. After cranking for about an hour the truck still remained silent and all it needed was just a little push. "Fergie" sure has some muscle now.

Mr. A. Robertson, Works Manager of the Alliance Plant was a visitor at Sharon recently.



A. H. Lauer, Maintenance Engineer, 8 years' service; T. G. Sandors, Yardmaster, 20 years, and H. A. Voglesong, Storekeeper, 31 years, Sharon

"Jumbo" the largest rabbit that ever lived, died here lately. He was a great favorite and on account of his size was fearless, did not run from man or beast and could whip any dog alive. If you don't believe the writer, ask Mr. Thos. Ryan.

Mr. H. C. Kashner has returned from a trip through Ohio. He went by auto and so fastit, would have made Barney Oldfield or Ralph De Palma look as though they were standing still. He was going so good at one time he lost a tire and never noticed it.

Miss Kathryn Ellison, during her vacation, spent some of her time "Down on the Farm." She says everything was fine but the early rising, for 5:30 seemed like the middle of the night.

Not mentioning any names, this is what was heard in the watchman's room one morning:

"This is sure some nice weather we are having.

Oh! but can you imagine these moonlight nights along Lake Erie?"

Mr. H. A. Voglesong is authority for the statement that he can get watermelons three feet long by two and one-half feet in diameter. Now don't rush, as there are plenty of them.



## General Offices

Much interest is being manifested by members of the General Offices in the coming Second Annual Golf Tournament, which will take place some time during September. The date and location, at this writing, have not been decided upon.

Mr. Joe Cella and Mr. J. G. Kavanaugh of the Accounting Department enjoyed a most unique vacation this summer. Starting out in Mr. Cella's machine they drove as far as Detroit, where the car was stowed among the cargo on one of Lake Michigan's steamers and the trip as far as Buffalo made by water. At the latter place, they resumed their trip by land, touring through New York State to New York City where their car was again stowed away and they took in the sights on foot. They do not say which scenery interested them the more — mountain or metropolitan — but from their talk, the telephone operators received a good deal of their attention.



Mr. A. Trevor Jones, Miscellaneous Sales Department, had the misfortune to lose his father last month. His fellow workers in the General Offices wish to extend their sympathy to him in his bereavement.

Miss Ellen Hanson enjoyed a vacation in the northern woods of Wisconsin.

In spite of many rumors to the contrary, Mr. E. E. Suffern says that no police records will show just when and where he was pinched for speeding in his new Chinese Mercedes.

Mr. O. E. Mount, Works Auditor at East St. Louis was a recent visitor at the General Offices.



J. R. Pounds, Clerk, E. B. A. Department, 5 years' service, General Offices

Mr. John E. Wright spent his vacation at Delavan Lake, in company with others of his fraternity. Mr. John J. Niesen found Twin Lake so attractive last summer, that he spent two weeks there again this year.

Mr. V. C. Christofferson, Stenographer, Traffic Department, had a strenuous two weeks in "Camp Logan," as an active member of Company "A," First Infantry, Illinois National Guard.

An interesting engagement is that of Mr. Arthur O'Connor of the Order Department to Miss Frances Fitzgerald of the Accounting Department. Matrimonial alliances between members of the General Offices seem to be increasing daily.

"Central, give me a well-known optical company. An order of smoked glasses please, the diamonds around here are blinding us." (Do they mean Baseball Diamonds?)

Mr. Roche of the Order Department must be expecting to attend a number of Big Dances this winter, as he has been keeping in practice all summer "Especially, Sunday Evenings."

Mr. F. H. Elam spent a very pleasant vacation on his farm at Freeport, Maine.

Mr. A. Hazlehurst, Sales Agent, Pittsburgh Works, honored us recently with a visit.

Mr. P. A. Martin, of the Cleveland Office, probably the most noted golfer in the American Steel Foundries was here recently, but for some reason or other the game which was to have been played between himself and Mr. Arthur O'Connor, in which the championship was to be decided, was mysteriously cancelled. As the General Offices had practically declared a half-holiday on account of this event, there was much disappointment.

Mr. D. T. Harris has returned from a trip to the Mayo Brothers Sanitarium at Rochester, Minnesota, wearing much the same old smile, in spite of his so-called infirmities.

The following Code Book pages were revised since the last issue of THE OCTAGON: 197, 201, 202, 203 and 207A (dated 7-1-21); 141, 142, 143, 234, 235 and 236 (dated 7-1-21); and 2, with tab (dated 7-22-21). Is your book up-to-date?



## Works Councils Secretaries

F. E. Brew, Alliance.

J. Weston Eyre, Chester.

C. E. Turner, E. St. Louis.

George R. Mann, Granite City.

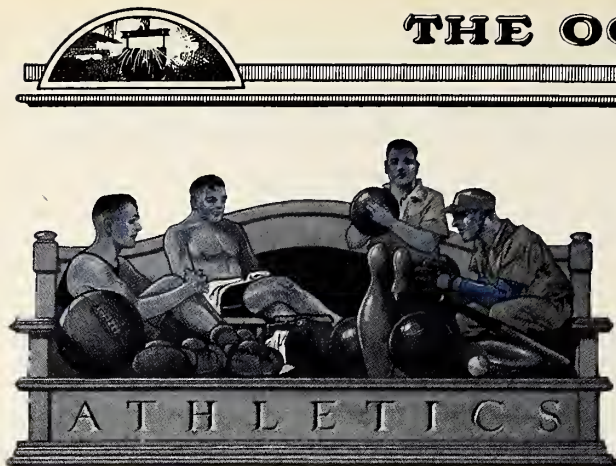
S. C. Lind, Indiana Harbor.

## Indiana Harbor Works Council

Division No. 1 has a new representative, Mr. Edwin Larson, of the Electric Shop, who succeeds Mr. J. Schmidt, resigned.

The Works Council has recently received a new supply of booklets, explaining the rules and procedure of the Works Council. Anybody desiring to have a copy of this booklet may obtain one by applying to the Works Council Secretary.

Mr. Frank Kornet, First Helper, No. 1 Open Hearth, was elected representative of Division No. 3 by a margin of one vote. He succeeds Mr. Bruce Palfrey, who has left this Works on account of illness.



## At Alliance Works

The American Steel Foundries' colored baseball team is making quite a hit in this section of the State, meeting and defeating some of the best teams.

It is now engaged in a three-game series with the Brunswick Billiard Parlor team and the series, is, so far, each winning one game.

The following shows how the standing of this club has improved:

June 11—Deming Company, Salem.....	11
A. S. F.....	8
June 19—Colored A. C., Massillon.....	13
A. S. F.....	6
June 25—A. S. F., at Salem.....	7
Deming Company, Salem.....	8
June 26—Deerfield, Ohio, at Deerfield.....	8
A. S. F.....	7
July 3—East End A. C., Alliance.....	1
A. S. F.....	2
July 4—Colored A. C., Massillon.....	4
A. S. F., at Massillon.....	9
A. S. F., at Massillon.....	5
Colored A. C., Massillon.....	13
July 9—Crystal Star, Canton.....	6
A. S. F., at Canton.....	16
July 10—Pennsylvania R. R., at Alliance.....	8
A. S. F.....	4
July 24—Brunswick Billiards, Alliance.....	6
A. S. F., at Alliance.....	2
July 28—A. S. F., at Canton.....	14
Starlight of Canton.....	8
July 31—A. S. F., at Alliance.....	8
Brunswick Billiards.....	3

Our Flogging Floor is making a fine Volley Ball Court since it is all concreted and kept in clean shape. There has been laid off a regulation size Volley Court and noon hour and quitting time, at night, find some mighty fine Volley Ball games in progress. Gib Poland and Whitey sure hustle around every day getting set for the games.

There is quite a gang here playing Indoor Baseball in the New Foundry building and Fred Maple, main kick in the Foundry, claims his sand-throwers are wicked sluggers when it comes to swinging an indoor bat. They have met and defeated both the Cleaning and Finishing departments and the Pattern Shop, and are open to all for noon-hour engagements.

## At Granite City Works

Mr. Lon May, Foundry Superintendent, talks as though he knew something about Lawn Tennis. Some of the boys, especially "Red," would like to see "Grandpa" put on a little demonstration.

Joe Mowry spent his vacation studying the rules of an umpire, for Joe is engaged as an umpire in the Municipal League of St. Louis where baseball is a Sunday pastime.

John Scherer, a pugilistic aspirant of this Works, issues a challenge to all men in his class. For further information, address John, at this plant.

## At Indiana Harbor

From second to short and short to O. F. has been the life of Tommie Boshold — be careful Tom, so the manager don't put you on the B.

The A. S. F. team defeated the famous colored team "Callahan's Giants," 7 to 6, in a practice game. It was a game full of "razzing" but the boys are accustomed to this style of support. (P.S.—Manager, please note.)

## At General Offices

The American Steel Foundries closed its first season in the Chicago Industrial Athletic League with the Northwestern Stove Repair Company on August 20, at Calumet Park. The lineup of this team was as follows:

Carlson, Pitcher  
Fires, Catcher  
Schubert, 3rd B.  
Broz, Short Stop  
Baker, 2nd B.  
Sturrock, 1st B.  
Boshold, L.F.  
Roche, C.F.  
Lind, R.F.

Stumpf, Pitcher, Davis and Cohen, fielders, participated in several games.

Below is a complete list of all the games played during the season and the resulting scores:

May 14..A.S.F. 10.	N. W. Stove Repair 1.
21..A.S.F. 15.	Natl. Lead 8.
28..A.S.F. 26.	Standard Cooper Bell 2.
June 4..A.S.F. 7.	Illinois Steel 9.
11..A.S.F. 16.	Heywood-Wakefield 10.
18..A.S.F. 2.	Jos. Ryerson & Sons 5.
July 2..A.S.F. 7.	Natl. Lead 1.
9..A.S.F. 3.	Illinois Steel 19.
16..A.S.F. 16.	LaSalle Exten. Univ. 3.
23..A.S.F. 7.	Standard Cooper Bell 2.
30..A.S.F. 2.	Heywood-Wakefield 4.
Aug. 6..A.S.F. 10.	Jos. Ryerson & Sons 6.
13..A.S.F. Illinois Steel (tie 1-1 9th inning) (Open Game)	
28..A.S.F. 10.	N. W. Stove Repair 5.

In a later issue of THE OCTAGON, will be printed further details in regard to the team's playing for the year.



# Company Products



Cast Steel Rack Trolley Side



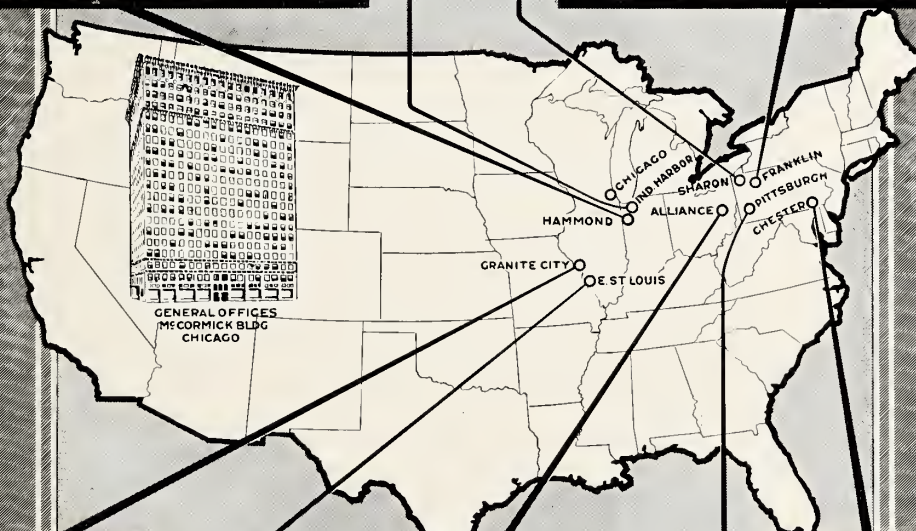
Cast Steel Vulcan Side Frame



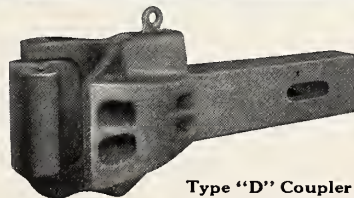
Volute Buffer and Draft Springs as used on foreign freight equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







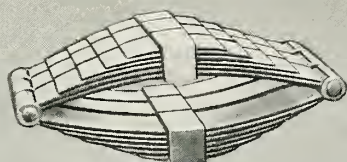
# THE OCTAGON

|| October, 1921 ||

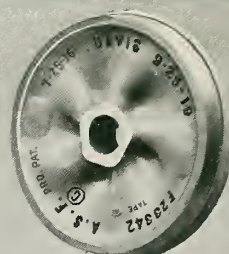




# Company Products



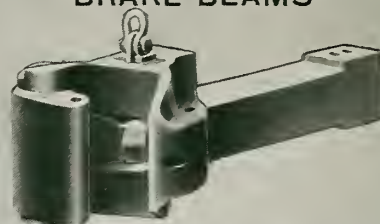
**SPRINGS**



**DAVIS  
STEEL WHEELS**



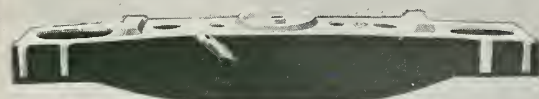
**AJAX AND HERCULES  
BRAKE BEAMS**



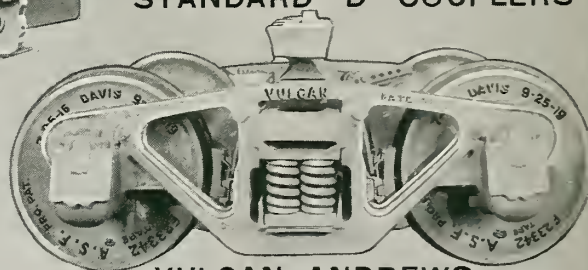
**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



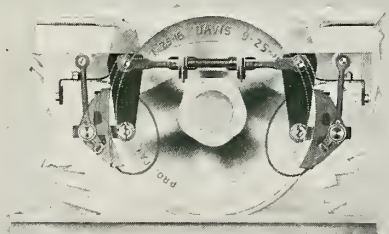
**ECONOMY CAST  
STEEL DRAFT ARMS**



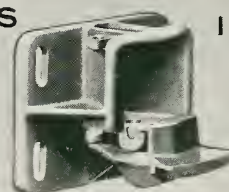
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



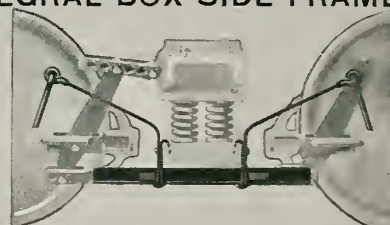
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



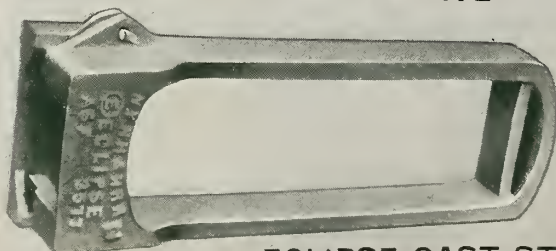
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





VOLUME VI

OCTOBER, 1921

NUMBER 22

## PATTERN STORAGE RECORDS

By

L. F. ENGLETON, Production Clerk, Indiana Harbor Works

IT has been truthfully said by some one who knew from actual experience that "Nothing is more important in business routine than a good record." This expression can readily be applied to our case, especially when we consider the miscellaneous nature of our products.

In the handling and proper storage of patterns, a good record is of prime importance and many unpleasant things will result if the proper data on each pattern record are not comprehensively shown.

The pattern, which is an exact model of the casting, should be considered as the most essential item in any steel or iron foundry. Its capacity is that of the representative of the casting to be produced and it should be regarded as something more than the result of effort by an expert draftsman and skilled pattern maker.

In the construction of a pattern, the chief factor is the conformity of the pattern with the dimensions as shown on the blue print, but in this article we are presupposing a pattern properly made.

Very often people employed in large concerns have a fair conception of the importance of pattern records. With us these records are of exceptional importance, because it is a recognized fact, as we have discovered from experience, that the starting point of production in any foundry is the pattern storage or pattern vault, where, with proper records, the pattern is positively in working shape before it is sent out into the shop to be run.

The Indiana Harbor Works, which is a miscellaneous shop, has had unusual success with the Pattern Storage Record system in vogue, and it is in the hope of assisting some of the other Plants that this article is written. The Pattern Storage at Indiana Harbor consists of two main buildings, built of brick and fully equipped with sprinkler systems, fire barrels, buckets and alarms. In addition to these main buildings, there are several smaller buildings, which are used as storage space for older patterns. These buildings adjoin the main buildings and while not of the same construction as these buildings, are sufficient to safeguard the patterns from bad weather.

A conservative estimate of the number of patterns recorded and stored at this Plant would be between 35,000 and 40,000, both wood and metal. These represent patterns on which there are at present no open orders for production. These patterns represent approximately 325 customers. Of this number, roughly, about 100 customers are those from whom, in the past, we have received a fairly large consistent amount of business. Regardless, however, of the size or quantity of patterns any customer may have in storage, they receive the same consideration in the matter of storage and handling and in the compilation of records.

A study of the cast report will give an approximate idea of the number of patterns run in the Shop. Under normal conditions there are between 200 and 250 patterns in the Shop each day, which will illustrate the amount of detail that must of necessity obtain in order to follow the routine in pattern changes.

When a pattern is delivered to the storage, either by truck, messenger or express, the foreman carefully checks over the pattern with its core boxes to make certain that no parts have been lost or broken in transit. Should any part of the pattern be missing, he makes a note of this in the ledger used for recording patterns, also notifying the office of the fact, and in the event we are to furnish these parts, requests a drawing of the pattern.

The pattern sketcher then enters in the storage ledger the date the pattern was received, customer's name, pattern number, number of patterns, number of core boxes and loose pieces, also the extra parts, such as sweeps, gauges, etc. The number of boxes, crates, bundles and weight is always shown in the last column of this ledger, corresponding with freight bills, express shipments, etc.

This method seems sufficient to many but there is one more thing to be considered, and that is, "What does the pattern look like?" All patterns are sketched by the pattern sketcher, free hand. He then makes a perspective

sketch on the back of our pattern record card, with a special copying pencil, and in making these drawings the proportion is shown as to the space allowed. This picture of the pattern will show two separate dimensions, one being that of the overall, and the other the exact metal dimensions.

On the face of this card he will show the serial number allowed for each separate pattern, this being part of the system of using, in numerical order, a serial number to indicate the storage point for the pattern.

When transferring the information as entered in the ledger regarding pattern number, cus-



Miscellaneous Floor Patterns

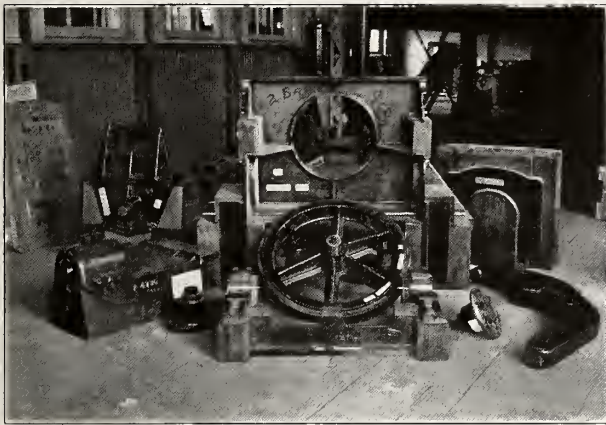
tomers, core boxes, etc., a certain section is assigned to this pattern to be used as its storage location. All sketches are reproduced on a small duplicating machine, and are distributed in several departments throughout the Plant; for example, the Production Control Office, where these are filed with the information regarding the schedule, showing flask size, special cope board, weight, description, etc. The Shipping Department uses these sketches in identifying castings brought upon scales, and the Order Department makes use of the sketches in posting actual shipping weight, to act as a guide when duplicate orders are received for the same casting. This eliminates estimated weights. Records are also kept of the shipping report numbers, which are most important to the Order Department.



# THE OCTAGON

Another feature of the sketch is that the casting chasers would be at a loss without them, especially when such an item as fifty or more different types of center plates are being produced in the foundry. In the hope of locating many of these, his only choice is to consult the sketch filed in the Shipping Office file.

The pattern stamper, working in connection with the sketcher, uses the serial number assigned to each pattern received and a hammer with the "Octagon" symbol cut in one end. He stamps each and every piece of the pattern and also the core boxes, along with their loose parts. The figures used are made of tool steel



Miscellaneous Floor Patterns

dies as illustrated (I) 67485. (You will notice the Indiana Harbor trademark.) This same number will appear on all parts, not only to serve as an identification but to prevent making duplicate records. Each certain pattern will some day be returned to the customer for alterations, changes, etc., and upon its return the clerk will quickly discover the old markings on it, and will remark "That bird has been here before." This can be proved by referring to the storage ledger, and the number stamped with the record will answer all questions. The dead card is removed from the file and the latest date received posted and placed in the live file, which saves extra work on the part of the Pattern Storage employees.

With regard to many of the patterns stored at Indiana Harbor Works, our record will show

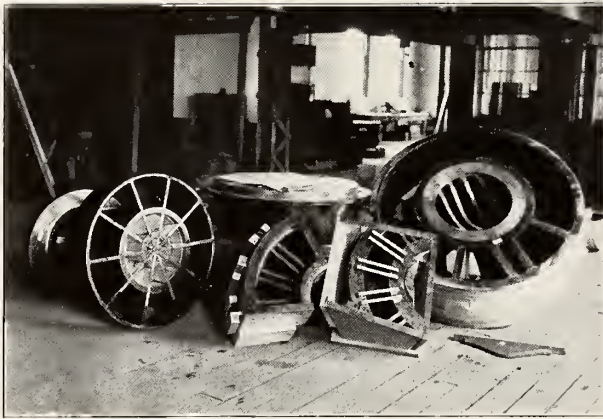
that the same serial number is stamped on more than fifty parts of a single pattern, with its core boxes, for instance, on large trolley sides used in connection with traveling cranes and the interchangeable parts of patterns, requiring careful stamping. The most effective illustration of a stamping system used on large patterns is the simplified matter of identification, and should one small piece become lost in carrying it between the Foundry and the storage room, it can be traced by checking loose parts with the sketch card, and if the small piece has been found, the serial number acts as a clew, and by consulting the original ledger, it will immediately show the correct amount of loose pieces to complete the pattern equipment.

After the serial number has been stamped, the pattern and core boxes are painted to show the section number allowed for its storage. This is ordinarily done with red paint. If orders appear for the pattern, they are placed to one side until the job tickets, attached to the schedule, are given to the Pattern Storage Foreman. The section markings are of this nature: Sec. 15-3-CB, representing Section No. 15, 3 core boxes to complete pattern. All patterns are painted because the men handling patterns between the shop and storage will save many steps in an effort to find the section provided for the pattern. After the order has been completed and all defectives have been made or shipped, the pattern, if a floor job, will be carried with the boxes to the proper section as marked in red paint. Should the pattern be on a match board, it is stripped and placed upon the special marked shelf while the plain board is stored for other patterns of the same design.

All patterns are inspected before leaving the storage, as well as when coming in from the foundry. The pattern checker must stamp on the face of the molding ticket whether pattern is in condition to run, that is, with all parts complete. He also attaches test bars, annealing lugs, marks places for draw straps and compares pattern number with the ticket, and also sees

that the trademark is placed on the pattern. His O. K. will be the Foundry's authority to remove the pattern from the lay-out floor and proceed with production. Many of our customers require checking of patterns, and as the blue prints are filed in the Production Department, when the customer asks for checking, the service card is specially marked "*To be Checked,*" and the checker will carefully compare each specified dimension of the pattern with those shown on the blue print.

When the patterns are returned from the Foundry they are again inspected, to be certain that all loose parts agree with the pat-



Miscellaneous Floor Patterns

tern record. A small core print can be easily lost in the shop, and if this happens, it is replaced before the pattern is placed on the shelf, so when duplicate orders are received, the pattern will be in a condition to run, thus eliminating delays in production and promises to customers.

Complaints are sometimes received from customers regarding castings that have been made and shipped, stating that trouble has been experienced, and in order to eliminate such trouble the next time castings from this pattern are ordered, a system has been introduced which will be a guide in this matter. The Production Record file will describe the trouble reported on the castings and a "Hold" tag is pinned to the original pattern record sketch filed in the Pattern Storage. It is hard to imagine a job being made incorrectly the second time when such a card appears on the pattern—(this being a duplicate of the "Hold" tag placed on the pattern record card) after a careful checking of the pattern with the print, and consulting the letter on file to remedy the trouble before the second order has been scheduled.

There is also maintained in the Storage a cross-reference file to cover the same patterns, a great many of which are made for different customers. Since the order will appear with the name of the customer ordering the material, this cross-reference file, which places the pattern card in file for each customer, is invaluable.

The foregoing is merely a brief description of the system used at this Plant. Visitors are always welcome to spend a day in our Pattern Storage to inspect the storage of patterns and our method of filing.

A good storage in a Foundry can be compared to a good housekeeper in the home, the motto for both being, "A place for everything and everything in its place."

**Write it and you'll remember it**



## A HISTORY OF THE ATHLETIC AND SOCIAL EVENTS AT GRANITE CITY WORKS OF THE AMERICAN STEEL FOUNDRIES

From 1906 to 1921

By

H. R. McCOY, Assistant Process Inspector, Granite City

### Foreword

(In recording the great events in History, it is the custom of Historians to look back over a period of years preceding some remarkable epoch in the annals of the world and carefully call the reader's attention to certain tendencies on the part of individuals and groups of men, which, though they seemed of little importance at the time, actually brought about the great event. In like manner the writer of "The History of Athletic and Social Events" can look upon the present great epoch, our Minstrel Show, and then turn back the pages of the scanty record, which he has unearthed in the archives at Granite City, and calmly say, "I told you so.")

### Famous Mulligans (1906-1907)

**I**N studying the course of events, which to date has led us to what we may be pleased to call our greatest effort in the line of entertainment and social activity, we naturally turn back to the years 1906 and 1907 as the starting point. If there was much attempted along social lines before that time, it has faded from the memory of our faithful employes, who were in the service of the Company at that time. Certain it is that, had there been any very important social or athletic events prior to that time, someone would have remembered them and called them to the writer's attention.

At any rate our History will start in the years 1906 and 1907, when two famous "Mulligans" were given by Ed. Harper's Brick Masons. Mr. Harper was foreman of the Brick Masons, employed at Granite City and East St. Louis, and all foremen and craftsmen of both plants were cordially invited to attend the Mulligans. There were such things on the menu as:

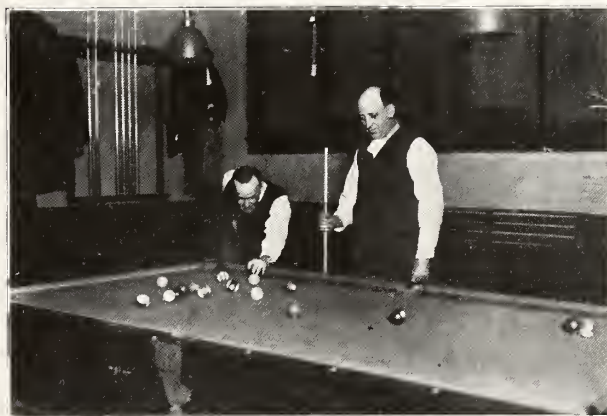
Chicken and Frog's Legs, Corn and Potatoes,  
Limburger Cheese and nice ripe Tomatoes,  
African Dominoes to add to the cheer,  
While most of their breaths smelled strongly of—spearmint.

Everybody always had a good time, and those who became too boisterous were tied to trees and allowed to take a short nap. Those who were afraid to come home unattended were always provided with escorts.

### Pool Match (1907)

During the latter part of 1907 there was what is commonly known as a panic, which so upset the industrial and financial activities of the country, that many plants, including our own, were forced to close for a time.

It was during this lull that a one-hundred-point pool match was instituted by the handful of foremen at Granite City, who were retained by the management as watchmen. Chief



"Bud," by far the best cue artist in the Game, had just defeated A. B. Fisher

among the exponents of the art of pool playing were such men of present-day prominence as Messrs. "Bud" May, Frank Hudson, Joe Nunn, and A. B. Fisher. It is related that many a ten-cent piece changed hands when this great pool tournament came to a close. Many were

confident that "Bud" was by far the best cue artist in the game, for he had just defeated A. B. Fisher by a close margin, and "Abe" had previously walloped Hudson 100 to 76. It was now up to "Bud" to play Hudson, and interest in the outcome was evidenced by the large amount of publicity given the affair.

The poolroom where the match took place was filled with the friends of the competitors, each with money to back their champion. The game started with both players full of confidence, and both seemed well able to take his share of the points. However, it was not long before "Bud" had Hudson "cornered" and things well in hand with the score in "Bud's" favor at 99 to 85, and only one ball to make from a new frame. It was Hudson's break, however, and luck and pluck were with him, for he shot every one of the fifteen balls off the table, thus defeating "Bud" and preventing him from becoming the champion pool player of the "Clock Carrier's Brigade."

## Sunday Outings (1908)

After the Plant resumed operations, the foremen arranged Sunday Outings, at which Mr. Al Walcher was usually present. Real Cabaret was introduced and Mike Mellon's Polish Band furnished lively music. On one occasion a baseball game was proposed between the fat men and the lean men, but the inclemency of the weather prevented and the game was not played. It is stated that, on this occasion, Mr. W. R. Glasgow, who was then Works Manager at the Plant, laid aside his dignity and danced with the cabaret girls, and seemed to be having a really good time.

## Bowling (1909-1910)

Employees who were interested in bowling met every week at the Alleys in the Basement of Lauff's Hotel, and bowled their way to fame. It is reported that Mr. A. Walcher was a great believer in "strikes" provided they occurred at a Bowling Alley. He seldom bowled below two hundred to two hundred and ten pins per game.

In the year 1910 interest in bowling at Granite City reached its zenith, when a team composed of members of our Plant entered the Tournament given by the American Bowling Congress, which was held in Saint Louis in that year. On that evening many will recall that Mr. A. Walcher bowled a very high score in the Individual Entries. In his first two games he rolled 260 and 225 respectively, and then, for some reason which no one seemed able to explain, he fell to 160 in his third game. In spite of this rather unfortunate ending he finished well up in the list in the individual entries.

## Hunting Parties (1911-1912)

Hunting parties, in which five or six of the foremen participated, figured very prominently among the events of 1911 and 1912. No

hunting expedition was ever attempted without first requisitioning Joe Katovsky and his old white horse and rickety wagon. It is reported that no lanterns were taken on these trips, but from stories told by those whose memories are considered reliable, many a hunting party was thoroughly illuminated by the time it returned.



Mr. Charles Brandt, one of the best hunters at Granite City Plant

Mr. Charles Brandt is still noted as one of the best hunters in the employ of Granite City Plant. Mr. Andrew Dunlap, who is now at Sharon, was another shining light. His reputation as a hunter often preceded him many hundred rods when he went hunting. It is related that, on one occasion, when the Plant was closed down, he was chased out of a corn field by an irate farmer, who complained that the corn had ears, but not for the shocking language that "Andy" was uttering on that



expedition. It is said that "Andy" made so much noise that the rabbits actually sat up on their haunches and stared at the hunting party, who then shed tears, because they hadn't the heart to kill the poor little things! At length the party turned back in the direction of Granite City, got lost, and were unable to make much headway. They arrived at the Plant about 4:30 o'clock in the morning just as Mr. Marshall Post (now Works Manager at Sharon Plant) was preparing his breakfast over a foundry salamander.

## Theatre Parties

Another form of get-together-meeting, which was always well attended, was the Theatre Party. The Ziegfeld Follies was always the great event of each season and nearly all the foremen and assistant foremen attended this production.

## Baseball (1908-1913)

During the period between 1908 and 1913, the American Steel Foundries Baseball teams



The American Steel Foundries baseball Team, known throughout St. Louis District

were known throughout the St. Louis District. Many games were played with professional and semi-professional teams, but "Granite City" almost always left the field with colors flying.

One team in particular which created more than the usual amount of interest was a colored team, composed of Alexander Robertson's Rail Breakers. At that time Mr. A. Robertson, who is now Works Manager at Alliance Plant,

was Yardmaster at Granite City. The Rail Breakers challenged the colored champions of Brooklyn, Illinois. On a very hot day the game was played in a lot adjoining the Plant. There were crowds of people everywhere. The captain of the Rail Breakers was a big colored fellow named Napoleon West. On this particular occasion "Nap" did not play, but acted as Umpire, so evidently there was not much chance for the Rail Breakers to lose. His favorite expression when calling a man "out" was "Yo' out! Yo' stepped up." It is reported that Mr. A. Walcher got so interested in this game that he had a seat constructed on the foundry fence so he could better witness the contest.

The Annual Baseball Game between East St. Louis and Granite City was always one of great interest. Heavy bets were made, and, it is said, Granite City won most of the games that were played.

## House Parties (1914-1915)

During the period between 1914 and 1915, when the Plant was not in operation, a stronger feeling of fellowship than ever before was promoted by the men who were retained at the Plant.

After the Plant resumed operations, games and parties were held at the homes of the foremen. Messrs. William Anson and Marion Crabtree gave chicken suppers at their homes, followed by pinochle accompanied by the sweet strains of the Victrola. These gatherings led to a movement to get together on a larger scale. Accordingly, in the winter of 1916, a supper was arranged at Allen's on Collinsville Road, just beyond the city limits of East St. Louis. Messrs. James Openlander, L. Donahugh and others prominently connected with our Plant furnished the entertainment.

## Fishing (1914-1916)

During the period of time between 1914 and 1916 a fishing craze struck the members of the Granite City Plant. Fishing parties became popular and a number of the foremen became

so enthusiastic about them that they purchased a club house and made arrangements to have it moved to Horseshoe Lake, which is located just east of Granite City. Dutch (Henry) Thiele, Boss Carpenter, and one or two of his worthy assistants were pressed into service as house-movers. It is reported that Henry became so enthusiastic in getting the club house moved to its new location, that he almost lifted it by his own strength and carried it toward the lake. At any rate, they had the club house nearly ready, when the Plant closed and all fishing club plans were tabooed.

## Farewell Banquet to Mr. Marshall Post

During the early part of 1917 there was a lull in social activities, due no doubt to the policy of the management, which did not seem to encourage this sort of thing. But later in the year it was revived under the direction of Mr. A. Walcher and his successor, Mr. W. C. Hamilton.



Farewell Banquet and Party given in honor of Mr. Marshall Post

In February, 1918, a farewell banquet and party was given at the Elks' Club in Granite City, in honor of Mr. Marshall Post. Mr. Post had been a very faithful employe of the American Steel Foundries, and, as Superintendent of the Foundry, had made a host of friends in the Plant. Messrs. J. P. Begley and W. P. Anson were in charge of the farewell banquet. Many were the speeches that evening. Dutch

(Henry) Thiele, Charles Brandt, W. P. Anson, "Bud" May, W. J. Kelly and other prominent old-time friends of Mr. Post gave excellent and most appropriate toasts at this affair.

## Bowling Contest

Later in the same year (March, 1918), Messrs. W. P. Anson, and Robert Moss (now Works Auditor at Indiana Harbor), under the direction of Mr. W. C. Hamilton, who was then Works Manager at Granite City, made arrangements for a Bowling Party to be held at Jones' Bowling Alley. Announcement was made that the Single Men would bowl against the Married Men. Interest in this affair ran very high at the Plant and most of the Foremen and Assistant Foremen and their wives and sweethearts attended. After the contest everyone repaired to the Elks' Club, just across the street from the Bowling Alleys, where a social gathering, including dancing and refreshments, was held. Before the evening came to a close everyone was thoroughly acquainted with everyone else and the party was pronounced a great success, especially by the members of the fair sex, many of whom met at this affair for the first time.

The following is the complete record of Bowling Scores for the evening. It is interesting to note that the Single Men were defeated by the Benedicts. Since that date, less than three years ago at the present writing, Team No. 3 has rolled a perfect score in matrimony, for all are now married. The percentage for all three teams in the matrimonial game is .733, which is "going some" for old bachelors.

### Single Men

#### TEAM No. 3

NAME	1st Game	2nd Game	3rd Game	Total
Dr. J. J. Fitzgerald, Plant Doctor.....	117	87	144	348
John Sauerwald, Pattern Foreman.....	184	174	147	505
Frank Mueller, General Pattern Foreman.....	171	126	157	454
H. J. Fechte, Cost Clerk.....	119	135	164	418
A. B. Fisher, Foreman, Wheel Dept.....	171	147	162	430

Team No. 3 Total.....2205

#### TEAM No. 2

NAME	1st Game	2nd Game	3rd Game	Total
Ches. Walcher, E. St. Louis, Guest.....	146	115	146	407
W. Dacus, Melding Foreman, Wheels.....	87	113	101	301
Victor Koenig, Acct. Dept. Clerk.....	139	136	130	405
Patrick Hackett, Foreman, Elec. Dept.....	156	145	129	430
Earl H. Taylor, Special Apprentice.....	141	134	117	392

Team No. 2 Total.....1935



# THE OCTAGON

## TEAM No. 1

NAME	1st Game	2nd Game	3rd Game	Total
J. S. Smith, Supt., Wheel Dept	127	117	129	373
F. H. Doherty, Chief Engineer	99	115	72	286
H. R. McCoy, Asst. Foreman, Wheel Dept	150	148	128	426
W. G. Langenbach, Engr. Dept.	126	93	96	315
H. B. Gardner, Chief Chemist	91	143	91	325

Team No. 1 Total.....1725

Total Pins, Single Men 5865  
Single Men, Average Three Games 1955

## Married Men

### TEAM No. 3

NAME	1st Game	2nd Game	3rd Game	Total
J. A. Wright, Master Mechanic	90	103	114	307
O. Heineman, Clerk, Acct. Dept	149	129	193	471
W. Catlin, Asst. in Engr. Dept.	131	165	125	421
R. C. Moss, Asst. Works Auditor	127	99	91	317
W. C. Hamilton, Works Manager	127	99	91	317
J. E. Berry, Pattern Foreman	191	145	145	481

Team No. 3 Total.....1997

### TEAM No. 2

NAME	1st Game	2nd Game	3rd Game	Total
Joe Mowrey, Asst. Foundry Foreman	171	177	162	510
J. O. Glover, Asst. Chief Engineer	109	111	57	277
W. C. Hamilton, Works Manager	99	83	106	288
E. P. Harpole, Production Engineer	153	127	154	434
Alex Robertson, Night Supt.	159	154	135	448
W. J. Kelly, Asst. Supt., Wheel Dept				
Geo. Winter, Asst. Yardmaster				

Team No. 2 Total.....1957

### TEAM No. 1

NAME	1st Game	2nd Game	3rd Game	Total
J. P. Begley, General Foreman, Wheel Dept	138	140	134	412
W. C. Hamilton, Works Manager	164	104	104	372
E. Walcher, Asst. Works Manager	151	185	165	501
A. H. Kuhlman, Clerk, Storeroom	184	137	167	488
H. C. Lee, Foreman, Wheel Dept	154	61	121	336
J. E. Robertson, Yardmaster				

Team No. 1 Total.....2109

Total Pins, Married Men 7063  
Married Men, Average Three Games 2021

## Armistice Day

It may not be proper in a strict sense of the word to include Armistice Day as a social event in the history of our Plant, nevertheless, mention might be made here of the fact that both the "false alarm" of November 7th and the "Real Day," November 11, 1918, were opportunities for a really and truly get together celebration, in which all employes figured. Messrs. W. P. Anson and W. G. Marqua purchased flags and bunting and headed a parade through the shop. They were followed by the girls in the Main Office and the entire working force in the Plant. Everyone, except those whose duties absolutely held them to their posts, such as Open Hearth Furnace Men, etc., joined the ranks of the marchers. 'Round

and 'round they went, over castings, chipping rails, sand piles, stock piles, and freight cars as well. After everyone was in line they left the Plant and joined with hundreds and thousands from the neighboring industrial plants in one long procession through the streets of Granite City, Madison and Venice.

## First Foremen's Picnic (1919)

The following June, 1919, the foremen held a picnic at the water works, located about two miles northwest of Granite City. Many East St. Louis foremen, as well as all Granite City foremen, were present. There were also a large number of Granite City business men in attendance.

Mr. Harry Bricker, famed in Granite City District as a master chef and "Mulligan Artist," reigned supreme as chief of the Commissary. There were various forms of amusement to suit all tastes and everyone had a very good time.

During the day Chester Walcher, Superintendent of Foundry, East St. Louis Plant, gave a demonstration, showing how to drive a Ford in a circle no larger than a postage stamp. One distressing feature of this performance was the fact that the muffler was accidentally blown off during the demonstration.

At noon Mr. E. Walcher, who was then Assistant Works Manager at Granite City, took a few minutes from a very interesting little game to drive into town at a 60-mile clip over the rough roads. The object of this visit was to carry a large meat platter filled with good things to eat to the young ladies in the office and to those unfortunates who were unable to attend the festivities on account of their duties as watchmen. The writer accompanied Mr. Walcher on this occasion and held the platter in his lap. When we arrived at the Plant a careful inventory showed that two or three pieces of beef and a tomato or two were missing. These were discovered under the seat. On the return trip to the Picnic Grounds all records for speed were broken.



## Bowling Parties

During the Fall and Winter of 1919 and 1920 many bowling parties were held at Jones' Alleys and elsewhere. These were always very well attended by workmen and foremen, who were interested in this sport.

In March, 1920, a Bowling Party was held which was attended by about 150 employes and their wives. After the bowling everyone enjoyed a supper and dance given at the Elks' Club. The Overseas Quartette of St. Louis entertained with excellent renditions of popular songs.

Later the same year (June 4, 1920), a bowling contest was held with Indiana Harbor, the score to be announced by telegraph after each game. Through some misunderstanding the results were not received until the following morning, when it was discovered that Indiana Harbor had won the wager of \$100.00, which had been placed on the outcome. The following is the Official Score of the three games played:

### Indiana Harbor

	1st Game	2nd Game	3rd Game	Total	Average
Bushold.....	168	188	170	526	175
Fires.....	140	159	167	466	155
Walker.....	181	129	Taski	310	155
Barenie.....	155	147	214	516	172
Murley.....	168	175	182	525	175
Taski.....			199	199	199
Total.....	812	798	932	2542	169 $\frac{1}{2}$

### Granite City

	1st Game	2nd Game	3rd Game	Total	Average
A. B. Fisher.....	186	148	169	503	167 $\frac{2}{3}$
W. J. Kelly.....	169	149	118	436	138 $\frac{2}{3}$
J. Sauerwald.....	175	122	Mowery	297	148 $\frac{1}{2}$
J. Mowery.....			186	186	186
Harry Lee.....	179	149	170	498	166
P. A. Lauff.....	174	192	225	591	197
Total.....	883	760	868	2511	167 $\frac{2}{3}$

## 2nd Annual Foremen's Picnic (1920)

In June, 1920, the second annual picnic of the Foremen was held at the Granite City Water Works. This event was very similar to the one held the year before, which has been described in detail above.

## Baseball and Bowling

During the Summer and Fall of 1920 baseball games were played every Saturday and Sunday afternoon. The Plant team won twelve games and lost five during the season.

Of especial interest was the game played on July 25, when Messrs. Vallee Crabtree and Lon May, of the Open Hearth and Foundry Departments respectively, rounded up a number of "old-timers and has-beens" and demonstrated to the natives of Granite City just how the game of baseball should be played. Vallee pitched for the Open Hearth and Lon hurled the sphere for the Foundry. Lon's team won 15 to 4, but Vallee filed a protest on account of some of Lon's players being under the age limit of 30 years. Bill Atchison of the Open Hearth was easily the star of the game. This sixty-five year old "youngster" made two hits out of three times up and scored three runs. Tom Shirley, shortstop on Crabtree's team, made two successful stops out of about fourteen chances.

## The Orchestra

On October, 28, 1920, the Granite City Plant Orchestra made its initial public appearance at the Tri-City Safety Council Meeting at the Masonic Temple and made a big hit. The personnel of the orchestra was L. VanBuskirk, H. R. McCoy, Earl Prawl, Walter Cavener, F. D. Lee, Buel Cotter, Harry McDonald, Carl McDonald, H. C. McCartney and R. C. Taylor. Robert Malone and Robert Lee, colored employes of the Foundry and Yard Departments, respectively, gave a fine exhibition of dancing. Antonio Rodriguez sang. W. A. Diefenbach, Sand Mill Foreman, gave a black-face monologue. The auditorium was crowded with foremen and workmen employed in our Plant and the efforts of everyone on the programme were received with a round of applause by those in attendance.

## Bowling (1920)

On November 1st those interested in bowling held a meeting and formed an inter-department bowling league, consisting of six teams representing the Yard, Administration, Accounting, Wheel, Foundry and Pattern Departments. The six high men at the close of the season were P. G. Lauff, Yard Department; O. Heine-



mann, Administration; H. Willis, Accounting; W. A. Zeis, Pattern; J. Mowry, Foundry, and H. C. Lee, Wheel Department.

## Theatre Party

In November, 1920, a Theatre Party was held at the Orpheum Theatre in St. Louis. About seventy-five couples attended. After the theatre an excellent supper was served at the American Hotel, while The Octagon Orchestra furnished the music.

## The Minstrel Show

On Tuesday and Wednesday, December 28 and 29, 1920, the Granite City Organization presented its first Minstrel Show at the Rialto Theatre in Granite City, under the auspices of the Works Council. The bright, snappy musical selections, which were rendered by the chorus and soloists in the first section, as well as the after-piece by The Thirteen Club, were selected and directed by Mr. H. J. Fechte, Assistant Works Auditor and Mrs. Fechte. Mr. Antonio Rodriguez, of the Foundry, sang "Out Where the West Begins." He is without doubt one of the best vocal soloists ever heard in amateur productions in this District. Other musical numbers were sung by Messrs. Dave Davis, "Doc" Diefenbach, Bob Matthews, Fred Butler, Bob Sonquist, Lee Kirkpatrick, Carl Graf, Harry McCartney, and Ellis Turner. In the olio, "Doc" Diefenbach and Ernie Liebmann entertained in bits of burlesque, while the writer gave a short monologue, billed as "Random Ruminations."

In the after-piece The Thirteen Club, Messrs. Bob Sonquist and Harry McCartney, in their characters as E. Worthington Walcher Butts and J. Dishwater Kelly Black, respectively, showed "professional class." "Doc" Diefenbach and Lee Kirkpatrick, both experienced men in minstrel productions, certainly never made a bigger hit in their entire careers than they did in their characters of Percy Marqua Lowshoes and Harold Sauerwald Innbad, respectively.

## Minstrel Troupe Party

A few weeks after the Minstrel Show, the Works Council gave a Theatre Party in honor of those who had worked so hard to make the Minstrel Show a success. After the theatre a splendid supper was served in the private dining room of the American Annex Hotel in St. Louis. The Octagon Orchestra furnished the music for the dancing, which followed the supper. Speeches were made by Messrs. E. Walcher, A. Walcher and Fred Kolb. Mr. W. P. Anson presented Mrs. H. J. Fechte with a very handsome electric percolator in appreciation of the excellent assistance which she gave in making the Minstrel Show a success. Miss Pearl Boyer, as Mrs. Fechte's assistant, received a fine corsage of roses.

True friendship is like sound health—the value of it is seldom felt until it is lost.

Cheapness and compromise, substitution and surrender — these, in the long run, are the real sources of waste.



Mr. Ernest ("Ernie") Warren, Night Metal Foreman at the Alliance Works, has been connected with that Plant of the American Steel Foundries



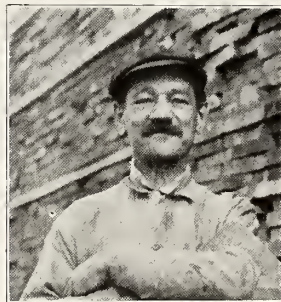
for twenty-two years and has been acting as Foreman for sixteen years. Mr. Warren has never been employed by any Company or concern other than the American Steel Foundries and naturally would not feel at home anywhere else. "Ernie" is an all-round athlete as well as versatile worker; it is said of him that he can "do a little bit of everything" and what is more, he does it well.

Mr. Frank Richwine, Superintendent of the Spring Department at Hammond Works, came from Oswego, New York, with Mr. Thomas Shea, then Superintendent of that department, on January 15, 1904, to work for this company as a Spring Fitter. His efficiency as a workman resulted in his being made foreman of the Coil Department in February, 1905. The following year he was again promoted to General Foreman of the Spring Shop, a position he held until October, 1920, when he became Superintendent.

Mr. Richwine is recognized as a hard worker, never scorning any job that proved a sticker until he conquered it so that it could be turned over to the regular workman. He is always absolutely fair to his men and those who have watched him climb say that he has not reached his zenith yet. Mr. Richwine is married and has a son twelve years old.



Mr. Wm. J. Busch, East St. Louis Works, started with the American Steel Foundries in 1897, at the old Schickle, Harrison & Howard Iron Company's plant in St. Louis, Mo., continuing with them until the present plant at East St. Louis was built, 1900, when he was transferred as Carpenter Foreman, a position he has held to date, with the exception of two years. It is unnecessary to add that in spite of the fact that Mr. Busch generally "saws wood and says nothing," he is one of the best liked men at East St. Louis.



The elemental truths are still true; the man whose word is good is still the secret hero of our inmost hearts.

## THEIR FAVORITE DISH

Mr. G. Edw. Hockenberger's (Assistant Chemist, Pittsburgh) Favorite Dish is

### Spaghetti à l'Italienne

which is prepared in the Hockenberger home in the following manner:

"Boil two pounds of fine spaghetti in weak salt water until thoroughly tender; drain off the water.

Add sauce made as follows: Cut fine and brown, in one tablespoon of butter, one large onion, then add two tablespoons of olive oil, one quart tomatoes, and boil all together for fifteen minutes. Add one pound ground round steak, season with salt and red pepper to taste, and cook until thick. Sprinkle bottom of casserole with grated Italian cheese, then place a layer of spaghetti, sprinkle with cheese, add spaghetti, etc. Place in hot oven for five or ten minutes and serve.

Mrs. G. Edw. Hockenberger."

Mr. F. D. Koons' (Invoice Department, Hammond) Favorite Dish is

### Doughnuts

which are prepared in the Koons home in the following manner:

"One cup granulated sugar, one cup sour milk, one cup mashed potatoes, two eggs, two teaspoonfuls melted fat, one teaspoonful soda, nutmeg and salt to taste, flour enough to roll. Cut with doughnut cutter and fry in deep fat. When cool roll in pulverized sugar.

Mrs. F. D. Koons."

Mr. H. Mitchell's (Foundry Tool Room Man and Works Councillor, E. St. Louis) Favorite Dish is

### Beef Loaf

which is prepared in the Mitchell home in the following manner:

"Mix together one and one-half pounds of ground beef, one pound of pork, salt and pepper to taste, one egg, and enough rolled crackers to knead all together. Shape into a loaf and bake in a slow oven for half an hour, basting often. A small can of tomatoes may be added to the basting water, if desired. This will serve six people.

Mrs. H. Mitchell."

The time to do your thinking is before you start. After you start, all your attention should be concentrated upon action.





Vol. VI

OCTOBER, 1921

No. 22

Published by American Steel Foundries, Chicago, in the interest of its employees.

The purpose of this publication will be to provide the employees with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employees of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

## The Staff of the Octagon

K. L. AMES, JR., Chicago, *Managing Editor*

W. C. LUEBBERT, Chicago, *Asst. to Managing Editor*

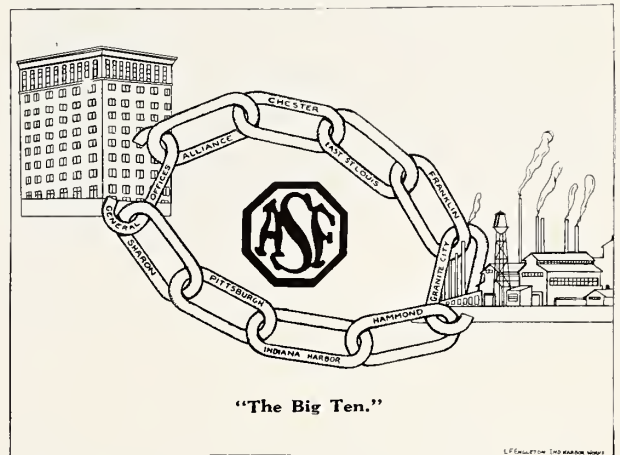
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## "Necessity of Self Interest"

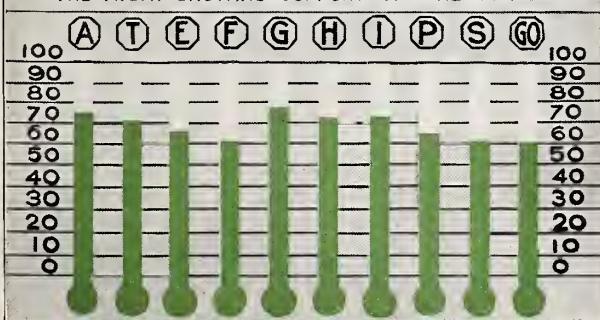
"The choicest fruit grows on the trees best pruned." When we want to see the best fruit we will find it on the tree best pruned, where the air and the sunshine have full access to it. It is the man who thinks big thoughts, plans big enterprises and carries them out, who makes the real success in his chosen line. Never, until a man's heart is filled with love for his work, can he be truly happy and reach life's finest prize. Working hard will not do it.— Investing a great deal of money will not do it.— *Nothing* but the investment of self will win. The investment of self and thought is the best possible study. The deepest possible thoughts, the most careful planning, backed up by good workmanship. Millions of men have gone across the stage of life and left not a single mark to show that they ever lived. They neither plowed nor sowed, nor did they gather in. What have they left to make the world any better or to prove that they were worthy of the place they occupied. Not a single thing. This



"The Big Ten."

need not be so. The call of to-day is for the very best there is in us not here and there a man, but all. Our Country's need for good and industrious men is urgent, and it will never be fully met until all men everywhere appreciate, to the full, the dignity of good and industrious men. The first thought for a growing young man as he starts out in life, should be to frame for himself a good character, one that would be a benefit to himself and all his fellow associates as he goes through life. His true worth lies principally with himself. We have this admonition: "Just so much as we put into this life, we will get out of it." Individuality of power and development make him a benefit to his associates and to the world at large. John Stuart Mill says—"Human nature is not a machine to be built after a model and set to do exactly the work prescribed for it, but a tree, which requires to grow and develop itself on all sides, according to the tendency of inward forces which make it a living thing." (J. R. Hoffman, Alliance Works.)

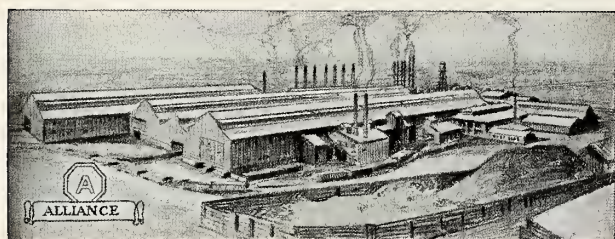
## RANK TO DATE OF WORKS AND DEPARTMENTS OF THE A.S.F. SHOWING SUPPORT OF THE OCTAGON



From the inception of the Octagon to October 1st



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Mr. Kenneth Alexander, Heat Weigher, has left the employ of the Company to go to College. We wish him all the luck in the world and hope he comes back to see us once in a while.

Mr. Larry Randolph, Foundry Clerk, is back with us again after being off for several months with a fractured leg.

After tapping out a heat in No. 4 Furnace the other day a small amount of steel lodged in the tap hole and the melter immediately put the gun in and shot it out. It happened that Messrs. Joe Wagner, Jimmy Temple, Les Freed, Russ Wilson, Warren Cullen and "Fat" Alexander were standing out in the foundry looking on, and when the sparks began to fly someone else began to fly, but a couple of the boys got a spark or two on their bare hide and some holes in their clothes. We bet the boys will stand off to the side next time and not in front.

For the pictures showing Alliance Athletic Events, a page of which appears in this issue of THE OCTAGON, we are indebted to Mr. H. H. Keener, a local photographer of Alliance, Ohio—(page 31).

Mr. John Gagliardi, Knuckle Chipper, is the father of a baby boy.

Mr. Hill, our blueprint boy and waiter at noon-day lunch, who was absent with an injured knee several days, has returned, adding much to the relief of his patrons.

Miss Launa Carlisle, Secretary to Mr. E. P. Kinne, spent part of her vacation entertaining relatives from Washington, D. C.

Mr. M. A. White, of the C. & F., has always been considered a robust lad, but it took until recently to prove it and the barber has to secure a new razor.

Messrs. Bobby Hole, Mike McPherson and Judy Sloan say that something is going to happen around Christmas that will have six names in big head lines. We wonder what the boys are thinking of!

Mr. F. H. Kayler, of the Coupler Engineering Department, and Mr. Fred Priestley, of the Yard Office, are tied for first honors for peach growing, each producing one peach measuring  $9\frac{3}{4}$  inches in circumference.

Bill Martelle, Melter, recently went to see some auto races and proceeded to enjoy himself by falling asleep. Bill was not working nights, either.

All the girls at the Alliance Works are on the Goompf Club entertainment committee and they promise us something good during their term. More power to you, girls



Mr. McPherson is spending his week-ends in Detroit as usual. (Hope the Girards appear in the near future.)

"Baldy" Reese was struck on the chest by a ball bat, recently, in the foundry, but not badly hurt. The boys will stand close to the batter, but this accident may help to keep them back. Safety first, boys.

John Minor started on his vacation recently and the first day attempted to cut some grass, and as a result got a touch of lumbago, and now he is wearing a cane.

## Can You Imagine—

"Chill" Bankerd without his vest?  
 Harry Joseph without his stomach?  
 Hon Martin without his chew?  
 E. P. Kinne without his pipe?  
 "Bill" Scott without his piper?  
 Barney Dever without his smile?  
 Batt Kelleher without his mule?  
 Elmer Hiser without his dirty face?  
 Joe Humphreys without his whiskers?  
 Roy Shrimplin without his playthings?  
 Tyler Sidle without his "Bull"?  
 Jimmy Temple without pretzels?  
 Anna Robertson without her candy?  
 Lucille Gerardat without her cootie garages?  
 Floyd Johnson without his mustache?  
 Al Abegglen without his orchestra?  
 Charley Smith without his chew?  
 C. Lechler without his baseball pool?  
 "Shrimp" without his deck?  
 Perry Oswalt without his whiskers?  
 Joe Artino without his grin?  
 Frank Brew without his pipe?

Mr. E. P. Kinne, Mechanical Engineer of the Coupler Engineering Department, made a visit to Chicago Office a short time ago. On his return trip Mr. Kinne's full intentions were to stop at Alliance, but it seems he was carried some forty miles farther east. Possibly the absence of a large illuminated sign, "Try Alliance First," which was once located on the City Building, was the real cause.

Mr. Frank Tritt recently spent a sleepless night, and looked very pale the next day. It finally developed that he had tried to eat as much beefsteak and onions as Bill Odum and Keysor did, on a steak fry on Mill Creek, in which the three took part.

Funeral services for Private Kenneth G. Graham, who entered the employ of the American Steel Foundries as Heat Clerk in the Foundry Department, Jan. 19, 1915, and who later gave his life in France, while a member of Company D, 26th Infantry, in the Meuse-Argonne, in 1918, were held in the First Presbyterian Church, at this place, and burial with military honors was made in the Alliance Cemetery.



Kenneth G. Graham

To the bereaved family we extend our heartfelt sympathy in the loss of a son and brother whose congenial qualities commanded the love and respect of all with whom he associated. His punctual and regular attendance to his duties whilst at Alliance Works won for him the highest respect of all his fellow employees. In the passing of Kenneth G. Graham, our city has lost another of its promising

citizens, which is deeply felt in our community.

Mr. J. E. Ryan, our Associate Editor, recently purchased a Dodge touring car and for some unknown reason it reached here before Jim went on his vacation. Jim says, "We'll run her as long as the gas and tires hold up and then we'll buy more and when the money runs out, we don't know what we'll do."

Our Cost Clerk, Mr. James Temple, with 112 pounds of brute strength, and Charles (Owl) Bankerd, of approximately the same stature, were suddenly stricken in some unknown manner and both pronounced insane by local authorities. They both went on a MacSweeney and the first one to eat pledged to pay the other one twenty-five simoleons. They both started in brave enough but the "Owl" gave in at last and stocked up on bread and water on Friday noon, after living on water lunches and pipe dinners for four days. Barnum was right when he said there was one born every minute.





A. Galliger, Electric Truck Operator, at Hammond



George Coleman, 5 years' service; Jacob Stalling, 5 years' service; Henry White, 9 years, and Frank Thomas, 5 years' service, Core Room, Granite City



Marten Knisley, Assistant Engineer, Power House, 2½ years' service, and Antonio Marcor, Oiler, 3 years. Granite City Works



Bob Jordon, 24 years' service, Carpenter Foreman, Granite City Works



First row, left to right: Geo. McCaffery, 3 years' service, and Robert Larson, 3 years. Second row: M. Cohen, 8 years; W. Crowe, Wm. Butler, 5 years; F. Wachowski, 3½ years; C. McDonald, 2 years; P. Cozza, 1 year, and F. Clancy, 3 years. Third row: M. Rumatz, 1 year, and W. Walsh, 3 years. Indiana Harbor



John Bome, Blacksmith, 13 years' service, and Al Santorian, Blacksmith, 4 years, at Granite City Alliance





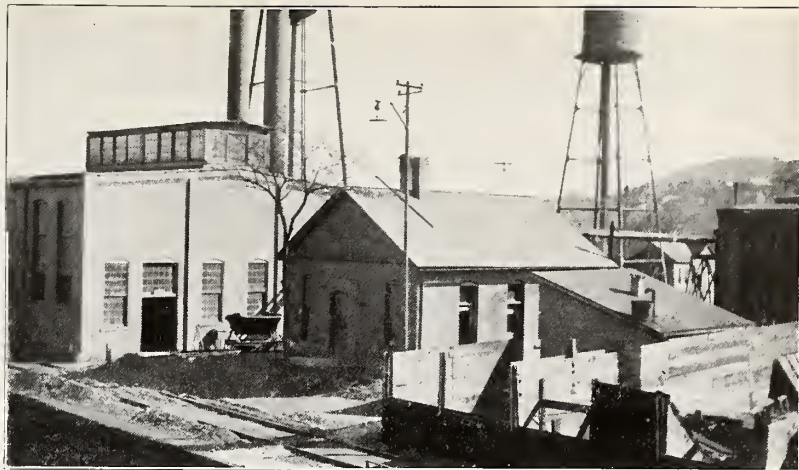
Thomas Mitchell, Watchman, 1½ years' service. East St. Louis Works



vo Ribich, Day Fireman, 1½ years' service. Pittsburgh Works



ont row: Geo. Veart, Ed. Glegg, and John Sutch. Second row: Jim Oliver, and W. H. Winkleman. Back row: F. Farish, Pattern Shop Foreman, No. 1 Foundry Pattern Shop, Indiana Harbor



Boiler House and Laboratory at the Franklin Works



H. A. Voglesong, Storekeeper, 31 years' service; T. T. Davies, Works Auditor, 8½ years; A. H. Lauer, Maint. Engineer, 8 years; Miss Kathryn Ellison, Stenographer, 2 years; F. V. Ferguson, Cost Clerk, 3½ years, and T. G. Sanders, Yardmaster, 20 years. Sharon Works



Men Working on Strut and Fairwater for Battleship. John Coston, 2 years' service; Jerome Hickey, 1 year; Joseph Korman, 2 years; H. Cummiskey, 3 years; F. Kestner, 8 years; Aaron Henry, 1½ years; Macari Mokoski, 3 years; Thomas Welsh, 1 year; Frank Cassidy, 2 years; David Burns, 4 years; Sam King, 2 years; Jose Gallagus, 3 years, and John Keenan, 15 years



We wonder what the difference is in the gas they sell in Franklin and the kind they sell in Alliance. Mr. J. E. Wagner says he can hardly hold his car down when he gets an injection of Franklin gas.

The boys in the office are dealing in high finance these days. Several of them have organized a Pretzel Company. So far the Company has yielded a hundred per cent on the original investment.

It is rumored around the shop that Major Hole is about to join the ranks of the benedicts. Is that so Bob?

Alliance claims it has the *best* indoor baseball team. It is as yet undefeated, having some of the best scalps in Alliance in its belt.



H. E. Wheeler, Maintenance Engineer, 6 years' service. Alliance

Not long ago, the Office Boys went out to the Foundry indoor baseball grounds during noon hour and defeated a picked team 5-4. The Shop Boys, of course, woofed when they were trimmed, but the old saying goes, you can't keep a good man down. Batteries for the office were Reese and C. B. Alexander; All Stars, Reeder and Coombs.

## "Do You Remember"

When James E. Ryan was Foundry Labor Foreman?  
When Cliff Hammond was Foreman Flogging Floor?  
When Carl Schlundt was Chief Clerk?  
When Frank Dougher was Foundry Clerk?  
When W. E. Feters was Storekeeper?  
When they cleaned sand from Flogging Department by hauling it out with cart to dump?  
When Mr. Jas. Oliver was General Superintendent?  
When 13½ cents per hour was standard rate for labor?  
When Perc Allen was Order Clerk?  
When Harry Vogel song was Chief Chemist?  
When A. C. Baldwin met with the accident that cost him his leg?

Patience and determination will win for most of us nine battles out of ten.

It costs less to agree with a fool than to differ with him.

The unceasing search of the mass of mankind for that which is good and enduring—this is the only law of supply and demand with which the superior craftsman need concern himself.



## Chester

Mr. Grayson Shropshire, Locomotive Crane Operator, has entered the real estate business, and the first thing he did was to sell his house. However, "Yellow" claims business is bad and he only lost \$42.00 on the deal.

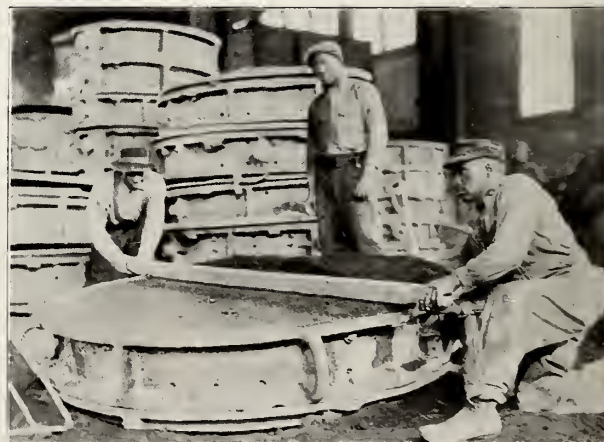
Mr. R. S. Munson, Works Manager, spent the holidays over Labor Day at Lewistown, Pa., and during his absence some one entered his house, but did not succeed in getting away with anything of value.

Mr. John Miller, of the Laboratory, spent his vacation in Idaho, in the hope of regaining his health.

Mr. Wm. Blanton has returned to Thurlow and is working on No. 2 Dry Floor.

Mr. Gordon Garling, No. 2 Foundry Molder, has entered politics and at this writing is a candidate for Assessor at Folsom, Pa. We wish you success, Gordon.

Bob Ryan, Patternmaker, has resigned and bought a milk and egg route. We wish Bob success in his new undertaking.



Morris Johnson, 1 year's service; Peter Shaw, 1 year, and Robert Robinson, 4 years, Rammers, at Chester Works



Dick Clendenning, Patternmaker, had a valuable hound killed by auto and Dick claims times are too hard to buy another one for this season.

Mr. Kirk West, No. 2 Foundry Molder, has won the booby prize so far this year flying pigeons. Every bird Kirk liberates is like Connie Mack's Athletics—last place. No sarcasm there, Kirk.

Mr. Howard Kelley, Electrician, and wife, from all accounts, enjoyed a beautiful coat of sunburn this summer. Kell blamed it on Riverview Beach, as that was the only place he could touch without hurting the soles of his feet.

Mr. Roy Butler, Pattern Clerk, paid a flying visit to Atlantic City recently, to bring home his wife and twins, who have been recuperating after a long illness. They are all greatly improved in health.

Mr. Wm. Stinson, of the Pattern Storage, recently visited at a house-party at Russell's Point, Md., returning with a badly cut foot received while swimming.

Mr. Howard Barrowclough, No. 2 Foundry, is a daily visitor to the spring on Ninth Street with his little bucket.

Mr. Maryland Hollis went recently to his home in Maryland on account of the illness of his mother.

Mr. Harry Lewis, Truck Driver, resigned recently. Harry had been in the employ of the Thurlow Works for over five years and won for himself the friendship of every employe in the Plant, who wish him success in his new job.

Mr. George W. Dougherty, Core Foreman, spent his vacation in Delaware and Mr. John J. Brookes, Master Mason, went to Canada.

Mr. Jose Gallegas, Foundry Helper, is becoming quite a cartoonist.

Mr. Lou Moeller, Chief Electrician, has joined the Upland Lodge of Odd Fellows. Oh Boy! Wait till Lou goes in the Ark!

Mrs. Margaret Gallagher, of the Accounting Department, has resigned to return to teaching at the Dr. Starr Public School.

Miss Gertrude Whittle, Stenographer, Order Department, spent her vacation at Wildwood this year.

Mr. and Mrs. Ben Getzs made a short stay on a farm near Lancaster, Pa. Ben, who is our Supply Agent, says the simple life agreed with them and he looks it.

Messrs. Gordon MacDonald, Employment Agent, and Harry Lewis, Truck Driver, both E. B. A. Trustees, were in Chicago to attend the semi-annual Trustees' Meeting of the E. B. A.

Mr. F. J. McGuigan, C. & M. Foreman, paid a recent visit to the "Big Town." "Mac" claims that you can get all the Real Old Time Stuff in New York that you want.

Mr. Michael Lacey, No. 1, C. & M. Chipper, who was seriously ill for three months, has returned to his old home in Ireland to recuperate.

Mr. John O'Toole, formerly employed in the C. & M. Department, has again returned to his old job in the Shop.

Messrs. John Farmer, No. 1, C. & M. Foreman, John Butler, Chief Inspector, Wm. Slawter, No. 2 Foundry Foreman, and Manlove Jones (better known as Curley, of the Steam Hammer Gang) have all been seriously ill lately.

Mr. Wm. P. Foster, Open Hearth Foreman, spent Labor Day among his old cronies down on the Eastern shore of Maryland. Gordon MacDonald, that day, was a visitor at the Delaware State Fair. (The main attraction for Dick, as usual, was the ponies.)

Messrs. William Kennard and Jack Toner of the C. & M. got the good old Ship Chevrolet in good order and spent their vacation at Richmond, Va.

Mr. James deFarge, Electrician, is talking so much dog about the Shop that he is starting to bark like one.



Harry Riley, Pipe Fitter Foreman, 14 years' service at Chester

Mr. P. Hannum, Coremaker, and some of his hard-working pals, while out rowing on the Delaware recently after crabs, spied a big black drum fish. "Pud" got in his work and landed the fish with some well-directed blows from the oar. Although the fish fought bravely, he finally surrendered to the enemy, with the result that the entire neighborhood partook of fried fish (the drum only weighed 50 pounds). Now "Pud" and companions are classed as 50 fishermen.

Mr. H. E. Goings, of the Electrical Department, and Miss Gladys Lassiter, operator at the Bell Telephone Co., were recently married at St. Luke's Episcopal Church at Third and Broomal streets. The boys wished them the best of luck as Herb passed around the old Henriettas.

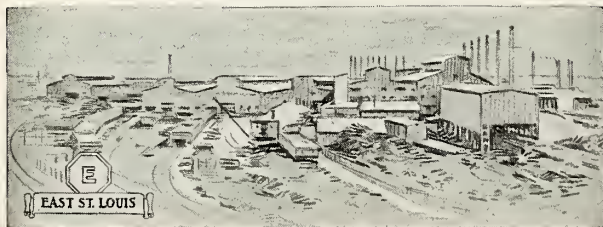
"Jake" Kunkel of the Storeroom and "Joe" Truitt have been barred from all games of pinocle in the Repair Shop at noon hour. The reason: they accuse Jake of being too good at counting and Truitt at renigging.

Mr. Walter Bowley, of the Repair Shop, the fleet-footed athlete, who is known in that Department to have caught Jack Rabbits on the run, had a very interesting brush not long ago trying to catch a fugitive from justice with the Trainer Police Department.

Mr. L. Moeller, Chief Electrician, has had the pleasure of shaking hands with forty-four volts. Lou claims he don't care to meet him anymore.

The annual election for three Works Council representatives, from Divisions Nos. 1, 2 and 4, has occurred since the last issue of THE OCTAGON, the following men being elected:

Division No. 1, Molding and Pattern, Mr. Ellis Baker.  
Division No. 2, Yard, Stores, Watchman and Repairs, Mr. Frank Voschelle.  
Division No. 4, Cleaning and Machining, Mr. Wm. T. Kennard.



## East St. Louis

Dame Rumor reports the marriage of our Core-room Foreman, Mr. H. C. Corriea. We do not know the lucky lady, but the organization extends its best wishes, Shorty.

Mr. Dave Ellis, Cost Clerk, has entered the bowling season with more pep than ever, upon returning from his vacation in Ivesdale, Ill.

Mr. L. C. Farquhar, Assistant Works Manager, has returned from his vacation, which he spent with his family at the home of his father in Indiana.

Mr. L. S. Boismenue, Supply Agent, is building a new home on North 31st Street, this city. When completed it will be one of the prettiest bungalows in the city.



John DePriest, Molding Foreman, 20 years' service. East St. Louis

Mr. G. A. Schenkel, Storeroom, is back on the job, handing out everything anyone asks for. Shenkel says it is good to be back.

Mr. Thos. Baylor, Asst. Works Auditor, is getting away from the Rent Hog by building a temporary dwelling on his property near Signal Hill.

Mr. Martin Reiss, Metal Pattern Foreman, says "When a man gets an auto his troubles begin." We might suggest,

Martin, that you take the lock off and probably you will have no more trouble starting.

Mr. Sandifer, formerly Stationery Clerk, was with us again for a few weeks working on pattern costs.

Mr. J. J. Higgins, Pattern Clerk (better known as "Pattern Job Order Higgins") is back on the job after a few weeks at the Granite City Plant.

Mr. William (Anheuser) Busch, Carpenter Foreman, has returned to the Granite City Works. Busch says it is all right to live in South St. Louis, but—it don't mean anything, any more.

Anybody may stand by you when you are right; a friend stands by you when you are wrong.

Stop chasing your shadow and follow the right fellow's example.

One half of the world knows not how the other half dies.





## Franklin

Mr. George Norton, Storekeeper, lived up the Creek for a few weeks and says that the competition up there was quite keen between the sunburn and mosquitoes, with the odds in favor of the latter. But everything considered, George says, it is a great life if you like it.

We catch additional glimpses of J. E. Wagner, former Works Auditor at Franklin, when he motors back to the shack "up the creek" for several days' fishing on the old camping grounds.

Mr. Larry Reese spent Labor Day between here and Alliance, to which place he drives every holiday.

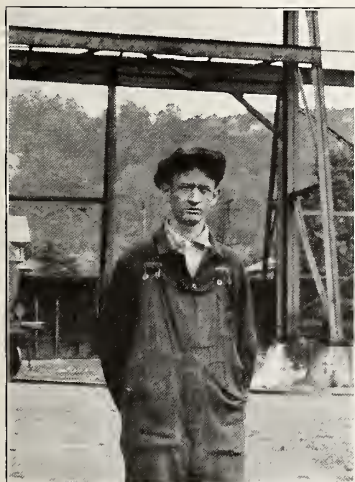


George Ross, Production Schedule Clerk, 1 year's service. Franklin

Mr. Charley Richardson made another try for the "speckled beauties" over Labor Day, but didn't

have much more luck than on previous occasions.

Mr. C. G. McCrady, Order Clerk, has taken unto himself an Overland 4 and is now a very ardent supporter of good roads. In addition to seeing quite a bit of country in the past month, he has enjoyed several nice trips and stag parties.

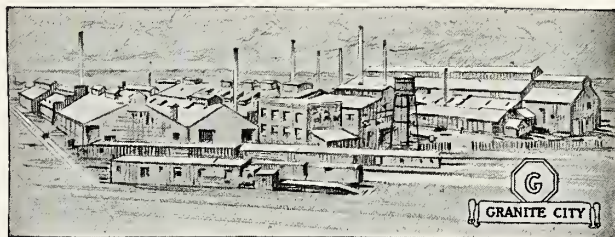


Clayton S. Singleton, Timekeeper, 4 years' service. Franklin Works

Miss Josephine Miller spent a very enjoyable week-end at Cambridge Springs recently, where she also met some acquaintances whom she had not seen for several years.

Glen Wilt, Special Apprentice at Alliance, makes frequent trips to Youngstown. What is the attraction, Glen?

Mr. H. L. Leyda, Associate Editor and Works Auditor, attended the semi-annual meeting of the Trustees of the Employees' Benefit Association, which was held in Chicago August 25th.



## Granite City

Messrs. Davis, Brennen, J. Wal'dt, and Wehlerman, keep the high line looking very clean these days.

At the regular meeting of the Works Council held August 18th, it was decided to arrange a convenient place where workmen, who bring their lunches from home, could eat and enjoy them. Accordingly, the building situated just west of the Main Office adjacent to the Main Foundry is being placed in proper condition for this purpose.

Messrs. Charles Smid and Sam J. Patten have recently accepted positions as pattern makers at this Plant and their fellow workmen wish to extend the "Glad Hand of Welcome" to them through these pages.

Mr. J. Lawrence Warhover announces the arrival of a ten-pound baby boy, born last month. Mr. Warhover was formerly located at our East St. Louis Plant and needs no introduction to our OCTAGON readers.

Mr. George Mann, Works Council Secretary, spent his vacation in the vicinity of Hannibal, Mo.

Walter Winters, formerly of the C. & F. Department, has been transferred to the Core Room, where he is serving as Core Checker.

As an example of what the Chipping and Assembling Departments have to contend with during this period when "short orders" are in vogue, we wish to call the reader's attention to the fact that one day recently we poured 535 pieces in our foundry, which were made from 44 different patterns. This list included almost everything that Specialty Plants make, with the exception of couplers. Some of our Miscellaneous Shops will be turning green with envy if this keeps on.

J. Shearer, of the C. & F. Department, entertained his fellow workmen with a big frankfurter supper when Babe Ruth of the New York Yankees made his fifty-fifth home run.

Mr. James Caslin, Foreman of the Heat Treating Department, is recovering rapidly from his recent illness and at the present writing is reported to be walking around a little by the aid of a cane. It is hoped that he will be able to resume his duties soon. Mr. Charles Mott has been in charge during Mr. Caslin's absence, and his work has given excellent satisfaction.

Our Mr. Mann appeared today in uniform—that is in army trousers and puttees. Our Mr. Richards of the Drafting Room remarked that he did not know that they rode Fords with a saddle these days.

Hester C. Hamilton has been transferred from the day force to the night shift and is serving in the capacity of night Store Clerk.

Arthur Simpson, after serving two terms in Uncle Sam's Army, has returned to this Works and is connected with the Yard Department.

Ear-laps will be furnished to A. H. Robertson and F. Pieper, who continue to wear their straw hats out of season.

Mr. H. Parker received a lump sum settlement for injuries which he received in his home when the

plaster of the ceiling gave way. Parker was laid up in a hospital for several months.

Mr. L. V. Day, who complained about the St. Louis weather of 1918, must never have visited within a radius of fifty miles. The weather is so cool in St. Louis that we are enabled to make ice the year round.

Mr. H. Boone spent a week out on the lakes fishing and reported a large catch of Crappie and Bass. Harvey will not reveal what kind of bait he used.

As the Browns and Cardinals steadily press nearer first place in their respective leagues, there are a great many Foremen and Assistant Foremen at this plant who have urgent business to attend to in St. Louis. It is also surprising how many have been requested to be pallbearers at afternoon funerals.

The Octagon Orchestra met to make preparations for the coming musical season at this Plant on Saturday, October 15th, at ten o'clock, in the "Conservatory" on the third floor of the Main Office. All players of orchestral instruments were present to try out for a place in the orchestra.

Patty Hackett has been exceedingly cheerful lately, and when interviewed declared that this was due to the fact that all the Overhead Cranes were operating with less trouble than ever before, because he has such dependable "trouble shooters" in the personages of E. Leibmann, A. C. Mitchell, M. Smaija, and J. Waldt, A. Wehlman, L. Davis, F. Brennen, J. Major, and Steve Haffner. "They can find trouble before it originates," says Mr. Hackett.

Mr. Walter Cavener, of the Drafting Room, has purchased a residence in Venice, Ills., and the paint which now decorates it is Mr. Cavener's handiwork. Mr. Raymond Barr, also of the Drafting Room, is building a residence in Venice after his own plans. Mr. Richards, Chief of the Drafting Room, has remodeled his garage.

Mr. Frank Hesler has moved into a three-room bungalow, erected on the rear of his property at Nameoki, Ills., where later he will build a home and convert his temporary location into a garage.

Mr. Herman Rolb, of the C. & F. Department, has purchased an attractive residence out near Horseshoe Lake. Anyone going out there should have the conductor let them off at the "Big Elm Tree."



Back row: Mrs. F. May and Mrs. P. Radcliffe. Front row: John Cool, Mrs. J. Cool (Commissary Department), Mrs. A. B. Fisher, Frank May, A. B. Fisher, and Lon May. Granite City Works



Office Boy: "Who has the most nerve among the workers at Granite City Plant?"

Blue Print Boy: "That's easy, Lon May holds that honor."

Office Boy: "How do you make that out?"

B. P. B.: "Hasn't he the cheek to hold back the Day and Night?"

O. B.: "That's *right*."

B. P. B.: "Sure it's right. You never see that bulge on the *left* side of his jaw do you?"

Mr. Louis Birk is enjoying the happy days of bachelordom, while his wife is paying a visit to the golden state of California.

Mr. Jack Stevens, after acting in the capacity of Chief Electrician at East St. Louis, has returned temporarily. He wears the same big smile and the same overalls. All the boys are working hard for Jack.



Sava Boneff, Carpenter Helper, 9 years' service at Granite City

During August, Heat Production Records for operating on a two-furnace basis were broken when the Open Hearth Department at this Plant produced an average of 3.7 heats per day. The highest previous month was June, 1921, with an average of 3.6 heats per day from two furnaces. This is indeed a record for our Open Hearth Department and all Departments to be proud of.

Mr. William Johnson says there is no place like "home" and was well pleased when he again landed a position with the American Steel Foundries.

Mr. Rodger Atchison has again demonstrated the fact that he is a man of originality and resource, for he repaired the tubing which leads from the gasoline vacuum system to the carburetor with a piece of rubber hose, proving also that his machine will run on a gasoline and rubber mixture as well as kerosene.

Miss Pauline Dopheide has left the employ of the company and moved to Chicago, where she is contemplating entering concert work soon as Cellist. We wish her the best of luck.

Mr. Archie Cunningham, of Chicago, has been appointed the Superintendent of the Davis Wheel Department at this Plant, vice Mr. Bouchier, who has been transferred to other duties at this Plant.

Mr. John Henry Marshall, Assembler in the North Plant, is again in our midst. John Henry was employed in a local tobacco plant for several months and reports that, since he now has a good winter's supply of tobacco on hand, he decided to return to the good old A. S. F.

Mr. Fred Reub has returned to the Plant and resumed his duties as Clerk in the Wheel Department.

The boys on the furnace floor sure can eat chicken mulligan. In order to receive an allotted portion one must be Johnny-on-the-spot, or there will be none left for the late arrivals.

## Speaking of Fleas

Mr. Geo. R. Mann, Secretary,  
Loyal Order of Fleas,  
Granite City, Illinois.

Dear Sir:

Wish to acknowledge with thanks your kind letter of the 22nd inst., enclosing membership card and application blank for the Loyal Order of Fleas, and I am returning application blank properly filled out.

We are in hopes that in the near future we will be able to start a Chapter of this worthy order at Indiana Harbor.

Yours very truly,  
(Signed) R. C. Moss,  
Indiana Harbor Works.

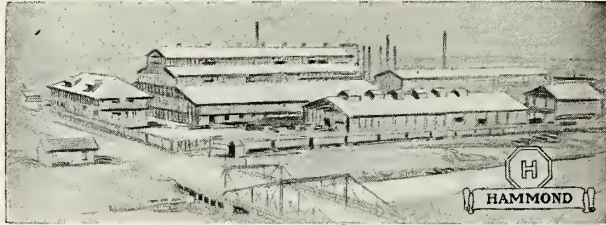
RCM-F  
encl:

I hereby apply for membership in the "LOYAL ORDER OF FLEAS" and on election agree to conform to its By-Laws and Rules. The member of the Granite City Organization automatically becomes a member of the SUPREME VIOLACEOUS COURT OF VIRILE FLEAS.

Hatched	St. Louis, Mo.		
Date of Hatch	2-13-1890		
Present Age	31		
Male	Yes	Female	
Swarmed	Years	Months	Days
Swarmed	Years	Months	Days
Swarmed	Years	Months	Days
Have you been previously approached by a Flea? 1			
Give particulars			
Reasons for possible ineligibility		Use tobacco (ask Lon May)	
Present Habitat		Chicago	
Mated?	Yes	Single?	
Prefer children or dogs?		Dogs	
Favorite Indoor Sport		Scratching	
Favorite Outdoor Sport		Scratching	
Signature of Parasite		R. C. Moss	

Mr. Otto Votcoter, former Timekeeper of the Foundry, is back on the same position after several months' absence.

Mr. W. J. Hess, one-time literary genius of East St. Louis Plant, has allowed his pen to become rusty since his arrival here. Wake up, Bill, and let's have a few lines for the next issue of THE OCTAGON.



## Hammond

Mr. Ewart, of the Inspection Dept., has been transferred to East St. Louis, where we hope he will meet with every success.

Mr. J. A. Mulligan, Yardmaster, spent his vacation at Peoria and Starved Rock and Mr. Ernest Holzworth, Stores Department, went to Boscobel, Wis. Mr. Gideon Kantrovich spent his vacation at Cleveland, O.

Mr. R. Elster, stock clerk, Spring Dept., is doing the "Weeping Willow" act these days caused by his old enemy, "hay fever."

Mr. Joe Mecum, of the Accounting Department, solicits condolences these days. He brought a bottle of blackberry wine from New Franklin, Pa., in his suitcase, to within forty miles of Chicago when the same was smashed. Either Joe's guileless face saved the day, or the "sniffers" had bad colds instead of trailing scents, as Joe appeared at the office on schedule time.

Thanks, Chester Works, for your interest in our "fair ladies" but wish to state emphatically, we are well able to take care of our "prizes" without any assistance.

Mr. Ray Shortsleeve, Foreman in the Spring Dept., has been ill in the Cook County Hospital. We hope to be able to report a rapid recovery, later.

We wish to congratulate the Indiana Harbor Works on its cartoon, the "Aviators." Hope the artist does not stop with his first effort.

Mr. Wm. Marlotte, Foreman of Coil Rolls, Spring Shop, returned with a fine mess of bass after he spent Labor Day fishing at Grand Haven, Mich.

Mr. John Tschurwald (Big John), Blacksmith in the Spring Shop, had a narrow escape on Labor Day when his car turned turtle.

Mr. Peter Phalen, one-time coiler in the Spring Department, who came to work when Mr. Thos. Shea was made Superintendent of the Spring Dept., died Sept. 3rd.

Mr. Elmer Pfau, of the Mechanical Department, knows what it means to have a "pull." He had four teeth extracted recently and now feels much better.

Mr. Bill Hesterman, who runs the big coiler in the Spring Dept., is wearing an extra broad grin these days, owing to his wife's presenting him with a new daughter, named Ruth Jane, Sept. 1st.

Mr. Will Spellman, Asst. Works Auditor, took a ten days' vacation in September, which he spent in a series of automobile trips.



Max Schmidt, Clerk, Casting Yard, 5 yrs.; Jack Morority, Casting Yard, 22 yrs.; Chas. Rose, Casting Yard, 14 yrs., Hammond

Mr. G. H. Austin, Works Manager, made a visit to Pittsburgh recently.

**PITTSBURGH WORKS TAKE NOTICE:** Does the 8:30 Club have any feminine members? We noticed in their write-up of the Sandy Creek picnic, they grew effusive as to the eats their girls produced, yet in the picture of the Club only the satisfied males appear. We hesitate stating our views on the neglect of the beauteous damsels until an explanation is vouchsafed.

Mr. J. A. Calwell, Assistant Works Manager, took a week's vacation this summer, while Mr. L. L. Whitney, Superintendent Brake Department, took a month, during which he made a series of short trips.



Labor Day wound up the R. D. Pettit family's stay at Wilson Beach, where they had a cottage for the summer. However, before the season closed, Mr. Pettit entertained a party of eight at his cottage.

Uncle John Barge, car tracer, is out of the hospital, we are glad to report. Wonder if Mrs. Walter Halfman's pie did not have something to do with his recovery.



Wallace Martin, Chief Clerk, Bolster Shop, Hammond

Mr. Charles Antolovich took a day off recently to purchase a marriage license. Good luck, Charles!

Mr. O. W. Stewart, Clasp Brake Department,

went by auto to Clinton, Ind., on Labor Day; Mr. Harry Shrive, Chief Inspector, Clasp Brake Department, with Mrs. Shrive, was at Crystal Lake, Wis.; Mr. Raymond Emmerson, Mail Clerk, went to his old home, LaFayette, Ind.

Mr. Walter Halfman, E. B. A. Trustee, attended the Semi-Annual E. B. A. "celebration" in Chicago, which took the form of a ball game between Philadelphia and the White Sox, in the afternoon, and the Broadway Whirl, at the Illinois Theatre, in the evening.

Mr. Earl Dufrane, son of Mr. Peter Dufrane, Master Mechanic, has recovered from a case of blood poisoning. Also, Mr. Irving Richwine, son of Mr. Frank Richwine, Superintendent, Spring Department, is recovering from a pitchfork wound in his foot.

Mr. Jewel Ebert, of the Drafting Department, is back at his desk again after a short illness.

The Spring Department, for some unknown reason, evinces a fervid interest in grapes, and their liquid possibilities. We suggest, as a side line, that they start a vineyard of their own.

The Plant has ordered a new light-weight Ford truck to take care of its light hauling.

If you care about playing audience, just ask George Engleman, Sr., how George, Jr., is and then prepare for an all-day session.



## Indiana Harbor

Mr. Jesse Bailey has discovered a new style of testing sand. Perhaps he will let you in on the secret.

Mr. Harold Wallis is still exploring; lately he discovered a brand new ditch that had never felt an Essex.

The construction of our new Scale Office, in connection with our shipping office, is now under way and it promises to be a regular place to weigh castings.



Fred Farish, Pattern Shop Foreman, 10 years' service, Indiana Harbor

Mr. E. H. Brandes, formerly our Storekeeper, has been transferred to the Accounting Department, as Assistant Cost Clerk, and Eck's many friends wish him the best of success.

Mr. Clarence Fires says he is starting a little late trying to catch up with the great Babe Ruth. Clarence poled his first homer in the Northwestern Stove game, in which the A. S. F. won 10 to 5.

Mr. Thos. Boshold, formerly of the Indiana Harbor Works, has been transferred to the Chicago Office and is now acting as Confidential Secretary to Mr. Thos. Drever. His many friends are glad to hear of Tommy's new position.

Mr. G. H. McCaffrey has been appointed Storekeeper and has expressed the new position as "just right."

Mr. Robt. Larson is now Chief Foundry Clerk in No. 1 Foundry.

Messrs. Al. Getty and Charley McColly, with their families, motored to Fort Wayne, Ind., over Labor Day and expressed themselves as having a pleasant trip, immune from breakdowns.

"Bo" King, an old-time sand artist, has joined the ranks as a finisher in No. 1 Foundry. He is the same jolly fellow as he was in the early '90s.

Bill Parker is now titled a "Quality Expert" and has gained considerable rep.



Tom Havlin, Chief Chemist, 5 years' service; J. Yuill, Asst. Chemist, 2 years; G. Dougherty, Associate Chemist, 26 years; T. Dumas, Associate Chemist, one-half year, and C. Means, Special Apprentice, 3 years, Indiana Harbor Works

Mr. Stanley Poprocki, Works Councillor for Division No. 5, has left the Company to enter the soft drink business.

Bob Ward told Harry Voight his wife holds all his money, that is, after each pay-day, and when he runs short all he says is, "Come on ma, I need a little change." By clever buying of bargains, Bob claims he is making "dough" rapidly owing to the fact that he is allowed so much each Saturday night, and his "Jewish instinct" nets him a sweet little roll after seven days of hunting.

"Do you remember the days way back," when a certain foreman used to spend his idle hours of vacation at 59th & Hasted streets, with one eye on the cop and the mate on his M. Ticket.

We lay claim to the best Flogging Floor in the Company. Men all over town are talking about the nice clean place to work. The answer is a concrete floor, made by the Foremen, who suffered many a stiff back. Cheer up men; look what you have!



## Pittsburgh

### Things We Never See At Pittsburgh Works:

Roll Herpst giving cigarettes away.  
The Kissel Kar speeding.  
Arch Hazlehurst with his hair parted in the middle.  
Johnnie Collins talking against Irish Freedom.  
Red Tuckey swear off dancing.  
Pat Salmon without a wad in his face.  
Eddie Alston in a hurry.  
"Topsy"—silent.  
Jimmie Collins excited.  
Louie Weis take two steps without tramping on his toes.  
Jim Wheatly miss anything.  
Andy Stephenson lose a game.  
John Zimmerman's Ford broke down.  
Joe Collins without a "Piedmont."  
Charlie Bepler bat right-handed.  
Jim Hathhorn taking on weight.  
John Meyers not arguing.  
G. A. Hein cut out the big words.  
Eddie Klause hit a telegraph pole.  
Ed. Hockenberger reducing.  
Freese froze.  
Jack Holmes worried.  
Josh miss a chance to make a buck.  
Rudy Arn quit the coffin nails.  
Joe Mack miss a chance to bunt.  
Jim Thompson catch up with himself.  
Elmer Boles not trying to sing.  
Harry Zollinger missing a boxing bout.

Tommy, diminutive Coremaker, says that the ideal working hours start at 7:00 A.M., lunch 7:30 and go home at 8:00 A.M. How come, Tommy?

The young ladies at Pittsburgh have joined the Y. W. C. A. sewing class. Dressmaking shingles will soon be on display and orders solicited, preferably for men's silk shirts.



Fritz Trenz, Pattern Tender, 1 year's service at Pittsburgh

All here are elated over the new pay period, i. e., bi-weekly.

Messrs. Joe MacCord and R. G. Arn have returned to their desks after two weeks spent at Wildwood - by - the - Sea. They report the fishing as punk. They caught only two young sharks and a couple of flappers.



Mr. Jo Yuctich, Chipper in the C. & M. Dept., received a hurry call to come home recently. When he got there he found a new baby girl had been added to the family.



Elmore J. Boles, Pattern Clerk, 2 years' service. Pittsburgh Works

Mr. John Soloski, Chipper in the C. & M. Dept., was absent from work for two days recently. When asked how come, he explained that his wife had come back from the country and that he stayed at home to celebrate the occasion.

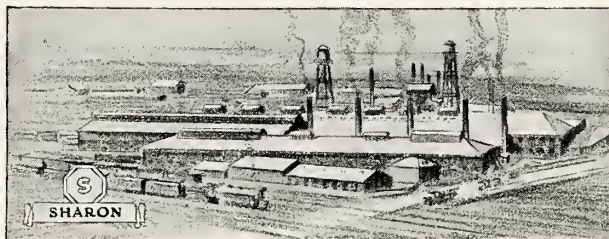
Mr. Elmer Eiffler, First Helper, spent a week at Slippery Rock fishing, swimming, etc. Elmer reported a couple of good catches.

The 8:30 Club of Pittsburgh Works again came to the front, this time with a party up the river at the Dixie Canoe Club. Most of the Club was in attendance. Our good friend, Ed Klause, took the party up in the Packard truck and we are inclined to believe he missed very few bumps. However, the shaking up only whetted the appetites all the more, for when that dinner bell rang, there was a grand rush for the dining hall and not much was left when the folks cleared out. Then commenced the fun with dancing, swimming and canoeing. The camp was ours for the evening. Mr. Petty, the Works Manager, a very faithful piano player, never murmured at the number of selections and encores he was called upon to give. The favorite fun was "lollypopping," the only requirements for this game being a girl, a man, and a canoe, or a motor-boat. Along about 10:30 were presented the hot wieners and cobs of corn, all of which disappeared very quickly and easily in the eating contest. Miss Lawrence won the prize on wiener sandwiches but her excuse was she doesn't like corn. After some more jolly good fun, the chauffeur said he was ready to go home. Several of the party didn't get much sleep but everybody was on the job in good spirits the "same" day.

Harry Petty, Jr., visited our works recently. Everyone was glad to see him and to learn that he is recovering from his long and serious illness.

The noon hour sport has shifted from baseball to quoits, and from the present indications, we will have a few championship matches in the near future.

Our office boy, Christ Williams, would like to arrange a debate with somebody or everybody on something or everything. Those who feel competent kindly apply to Christ.



## Sharon

Several of the boys have tried their luck lately fishing, but it's the same old story, no fish—"plenty in the river, but they won't bite," according to the fishermen. Dunlap has been so anxious to catch a few that he has gone camping, so put in your orders.



T. G. Sanders, Yardmaster, 20 years' service at Sharon Works

Mr. A. J. Stephenson, formerly Works Auditor at the Sharon Plant, was a visitor in Sharon for a few days recently. "Glad to see the old town and old friends" said Andy.

Our friends at Granite City should have seen Andy Dunlap perform in the pitcher's box the other day. The old boy had all kinds of smoke and a dandy curve and won his game easily. After the game, he entered the ball-throwing contest and also won. This event Andy has won two years straight and he is probably the best long-distance thrower in the A. S. F. (Lon May please take notice.)

Mr. Thos. Ryan has purchased a new car, so beware Tommy Milton, you will have to speed up.

Mr. H. C. Kashner claims the funniest thing he ever saw and heard was Ryan telling Lauer and Moses how he fished for pike.

Mr. T. G. Sandors has a new song—it's good—have him sing it for you. It's about a Welshman and he didn't come from Wales. He is a new kind. A laugh every second.

As a center group of pictures for the November issue of THE OCTAGON, we suggest the Editor and his associates. (By A. C. D.) Editor's Note: This is embarrassing!

Mr. A. E. Moses upon returning from his vacation, spent at a popular bathing beach along Lake Erie, reports having a very successful time. Albert was heard telling one of the boys that the girls there sure were some swimmers.

If old H. C. L. ever gets down to normal we will then contribute recipes for our favorite eats.

We are very much surprised to note that our acceptance to a challenge issued from Granite City for a cork ball game passed unnoticed. However, we feel that the players at Granite City have become so old and fat they don't feel like taking on us youngsters. Eh?



## General Offices

Miss Clare Allworth, Secretary to Mr. Thomas Drever, is on an indefinite leave of absence. She is now in California.

Messrs. Reuben Hoglund, Purchasing Department, and Walter McElligott, Casualty Department, were at Twin Lakes over Labor Day. Mr. W. L. Pugh, Treasury Department, and Mr. Joe Cella, Accounting Department, visited Paw Paw Lake at that time.

The Associate Editor at Indiana Harbor had an item in the September issue of THE OCTAGON, which intimated that the General Offices Associate Editor only moved with alacrity when en route to the dining room of that Works. If nothing else, Iz, it is a compliment to Mrs. McNab. With your size and sprinting ability nobody yet has been quick-sighted or quick-witted enough to count time on you in the region of the dining room.

Mr. C. H. Bossong, Accounting Department, was a recent visitor at Alliance Works.

Mr. Thomas M. Boshold, Labor Distribution Clerk at Indiana Harbor Works, has been transferred to the Chicago Office as confidential clerk in Mr. Drever's office.



J. H. Sullivan, 5 years' service, and R. D. Brizzolara, 1½ years Maintenance Engineer Department, General Offices

Mr. E. E. Suffern, Secretary to the President, recently lost his father. His fellow-workers in the General Offices take this opportunity to extend to him their sincere sympathy in his bereavement.

Mr. A. Trevor Jones, Anchor Department, has recovered from an operation for appendicitis at St. Luke's Hospital.

The Second Annual Golf Tournament referred to in the last issue of THE OCTAGON was called off for various reasons.

There have been but two changes in the Code Book since the last issue of THE OCTAGON, Page 122 (dated 8-11-21) and Page 96 (dated 8-1-21). Have you received these revised pages?

Miss Nellie MacDonald, who has been in the Cleveland Office with Mr. P. A. Martin, for several years, spent two weeks here in September. During her stay, Miss MacDonald paid THE OCTAGON and General Offices a visit, making new acquaintances and renewing old.

Miss Theresa Gormley, of the Accounting Department, spent four weeks as the guest of her sister in Seattle, Washington, and has returned much enthused over the wonders of the West.

Mr. Ralph James spent a very pleasant two weeks' vacation camping near his home at Antioch, Illinois. Mr. James Stritch had the misfortune to become ill during his vacation, spoiling a trip he had planned to the West.





Liquid oxygen is being manufactured as a substitute for dynamite. Its power is largely reduced, however, unless used a few minutes after its manufacture.

Bulgaria now has in operation a law requiring every able-bodied young man and woman to do a certain amount of work without compensation, as a "personal tax."

Artificial veneer has recently been invented in Australia, said to be made of waste fibrous and other vegetable matter, including sawdust, although the process by which it is obtained is a secret one.

Germany has begun to send into this country large quantities of scissors. These apparently are of the best grade, the steel being produced in England and Sweden and the scissors fashioned in Germany.

Effective October 1st, freight rates were reduced on California fruits, fresh and chilled eggs and dairy products, vegetables, tallow, wild cherry bark, lard and children's toys.

A new gas, known as Thermaline, has been discovered in Switzerland, said to possess superiority over other gases used in producing high temperatures. It is sold in cans, the largest of which yields approximately 200 feet of gas. Thermaline can be used for welding at comparatively low pressure, and in welding throws off a large quantity of sparks. Freedom from explosion and the fact that it produces no corrosive or poisonous effects are two advantages it has over other gases.

Since the discovery of high-chrome steels, an alloy has been obtained, termed "Stainless Steel." This substance resists corrosion better than any known metal, is immune to all weather influences, vinegar, mixtures of salt and vinegar, and citric acid. To be immune from atmospheric conditions, the chromium content should run from 8% to 11%, and for most purposes, the carbon content from 40% to 80%.

The capital invested in the peanut industry of the United States exceeds \$100,000,000, and more than 121,000 farmers devote all or most of their time to peanut cultivation. Of the capital invested, \$88,000,000 represents the land value and the difference represents the aggregate of the amounts invested in implements, crushing machinery and other mill machinery. The peanut yields peanut butter, oil, peanut flour, quinine, forage and a meal which is used in the manufacture of tin-plate. Experiments are being made with a view to the use of the peanut in the production of dyes and a peanut milk for flavoring purposes.

To succeed is not enough to work your mind — you must also mind your work.

## RULES FOR CHAINMEN

Chainmen should exercise great care to avoid accidents and they themselves should never ride, or allow any other employe to ride, on any burden being carried by a crane. They should never take hold of a cable above the sheave block, as they are in danger of getting their fingers or hand crushed between the cable and sheave.

\* \* \* \* \*

Chainmen should ever be watchful of loads carried by cranes or suspended in the air and keep from under them at all times. They should also walk ahead of loads being carried by cranes and warn their fellow-workmen on the ground to get out of the way.

\* \* \* \* \*

Another very important matter is when loads are being carried or hoisted. No one should stand between the loads and other objects nearby as the load may swing and strike them. This has been the cause of a good many accidents in our Plant and is something which with the co-operation of the Foremen, by giving a little kindly advice and instructions to the workmen, will reduce this hazard entirely.

\* \* \* \* \*

Chainmen should learn how to make safe hitches with chains so that load will not fall. Chainman should never attempt to operate crane or go up on crane for any other purpose, unless instructed by proper authority. In any case, where you think the crane burden is too heavy for chains or crane, do not take a chance. Notify your foreman. It is the fellow who takes chances that is the first injured. SAFETY FIRST means FORETHOUGHT instead of POST MORTEM.



The semi-annual (Summer) Meeting of the Board of Trustees was held at the Chicago Office on August 25th, Mr. F. E. Patterson presiding.

Although reports presented to the Trustees showed a small membership at this time, the condition of the Association is good, as far as the finances and health of the Association are concerned. During the first six months of this year the amount of sickness and death suffered by the members was below the average.

New Trustees were elected to take the place of resignations in the organization as follows:

H. L. Leyda, Franklin, vice J. E. Wagner  
T. T. Davis, Sharon, vice H. J. Rollinson  
F. C. Brose, Hammond, vice W. C. Guthzeit

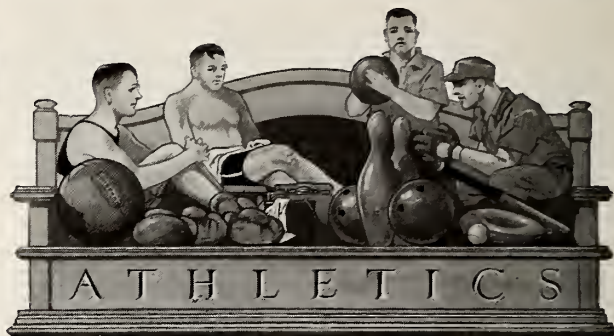
The meeting adjourned at 12:00 M., followed by a luncheon at the Congress Hotel, and a dinner at the Brevoort Hotel, after which all of the Trustees saw the "Broadway Whirl" at the Illinois Theatre, which was thoroughly enjoyed by every one.

At the February Meeting a number of the Trustees had expressed the hope that the weather would be fine when the August Meeting was held, as they wished to see what Chicago weather was like, both summer and winter. The weather man was "on the job" and provided a typically beautiful Chicago summer day, with the result that most of the Trustees concluded they could not spend the afternoon to better advantage than by going to see the White Sox give the Athletics a drubbing.

A number of the Trustees at the theatre party voiced their opinion that Dick MacDonald was pretty good at handling fish hooks, but his fingers must have been all thumbs when he tried to handle the hooks on the chorus girl's dress, when she came down the aisle and asked him to hook up her flimsy gown.

Success depends not upon luck, but upon pluck. The world is not yet made; do your share today.

If a woman keeps her mouth shut, it's safe to bet she needs to visit the dentist.



## At Alliance Works

At the recent picnic held by the Works Council at this plant, the American Steel Foundries colored team easily defeated a picked team from the Plant, winning by the score 12-4. The feature of the colored boys' playing was the pitching of Parks and the all-around playing of Catcher Ewing. K. Alexander pitched well for the picked team, but his support was very poor at times, due to the four errors which came at very opportune times for the colored boys to score.

### PICKED TEAM

Reese, SS  
O'Brien, 1st  
Johns, 2nd  
C. Alexander, C  
Parker, 3rd  
Sparren, RF  
Biery, CF  
Hole, LF  
K. Alexander, P

### COLORED TEAM

Hagan, CF  
Adams, SS  
Page, 3rd  
Ewing, C  
Watts, 1st  
Sweeny, RF  
Arnold, LF  
Leath, 2nd  
Parks, P

The single men defeated the married men of the Plant in a very one-sided game of indoor baseball, winning by a score of 18-10. Weis did the pitching for the single men and weathered the storm of hits all the way. Ralph Tanner started for the married men but gave way to Alex Robertson in third inning after the single men had made fifteen runs off his delivery. Alex showed the single boys a vicious hook and they only made two runs off his delivery. Had he started the game, the single men would easily have been beaten:

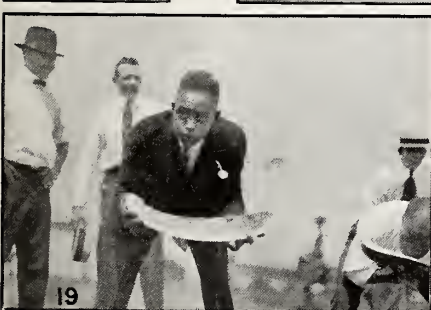
### MARRIED MEN

Wagner, 1st  
Smith & Odum, R F  
Geddert, LF  
C. Coombs, C  
W. Robertson, CF  
Rosenberg, 2nd  
Alzner & Shaffer, SS  
Stoughton, RF  
Houk & Ryan, 3rd  
Robertson & Tanner, P

### SINGLE MEN

Buchanan, 1st  
Weis, P  
Sudeck, LF  
Sparren, C  
Brunner, CF  
Scott, 2nd  
Wilson, 3rd  
McPherson, RF  
Schenk, SS  
McCrea, RF





1. Crowd Watching Ball Game. 2. Norman Bell, Flogger, Winner in Water Melon Eating Contest. 3. Ewing, Catcher, Colored Baseball Game, C. & F. Dept. 4. Another View of Crowd Watching Game. 5. Wm. Odum, Asst. Foundry Foreman, Fouling One. Indoor Baseball Game. 6. Geo. Sweeney, Grinder C. & M., Catcher, Colored Baseball Team. 7. George O'Brien (Employment Agent), Athletic Director, Looking his Men Over. 8. Pitcher Parks, C. & F. Dept., Listening to Instructions from Catcher Ewing. 9. R. L. Wilson, Special Clerk, Tagging Harold Rosenberg, Supply Agent, at 3rd. Sam Weiss, Brick Layer Open Hearth Dept., Backing up Play. 10. J. E. Wagner, Works Auditor, covering 1st base in Indoor Baseball Game. 11. Ralph Tanner, Foundry Chill Inspector, Pitching, Indoor Baseball Game. 12. Rufus Colbert, Mascot, Colored Baseball Team. 13. A. Robertson, Works Manager, Pitching Indoor Baseball Game. 14. Henry Snodgrass, C. & F. Dept., Outfielder, Colored Baseball Team, Coaching at 3rd. 15. V. J. Packer, R. & C. Clerk, Tagging Catcher Ewing of the Colored Baseball Team. 16. Watts, 1st Baseman Rounding 3rd. Packer Missing High Hit Ball. 17. J. E. Ryan, Maint. & Const. Clerk, Driving One to Deep Left. Art Buchanan, Time Office Clerk, Catcher, Indoor Baseball Game. 18. Chas. Shaffer, Asst. Works Manager, Playing Short. 19. Wm. Geddert, Second in Line Reading from Left, C. & M. Foreman, and One of his Floggers, another contestant in Water Melon Eating Contest. 20. P. F. Johns, R. & C. Foreman, at Bat. 21. Boys in Water Melon Eating Contest.





# THE OCTAGON



## At Chester Works

Dutch Kestner, No. 1 Foundry Molder, is still crowing about the A. S. F. Base Ball Club for the way they knocked off the Buckman Village Team. (Stage whisper) Dutch caught the game.

Pete Boliski, Molder No. 2 Foundry, is having some time trying to pass the buck about the St. Hedwig Ball Club. Pete claims now that the boys are a little out of their class.

Mr. William Cooper, Coremaker, from all accounts has become a very efficient swimmer. Most every evening this summer he could be seen at the old bathing grounds on Chester Creek, at Bridgewater.

Plans are now being made for the fall bowling league. Some new talent is promised. We hope some of the teams can present new talent so the league will be worth playing in.

## At Granite City Works

Messrs. Oscar Heineman and Ed. Tinker, of this Plant, would like to arrange a Hand Ball Game with Messrs. Ernest and Graul, of the Chicago Office, since noting the fact in THE OCTAGON that the latter claim to be experts at the game.

The American Steel Foundries, Granite City Plant, has entered a Team in the Major Scratch League of St. Louis. These bowling matches are rolled on Otto Stein's Alleys, Chouteau and Sarah Avenues.

Those who bowled in the opening games were:

	1st Game	2nd Game	3rd Game	Total
Oscar Heineman, Works Manager's Clerk.....	148	158	177	483
Joe Mowry, Asst. Foreman, Foundry.....	154	148	170	470
O. Broyles, Asst. Foreman, Foundry..	154	182	136	470
Phil Lauff, Asst. Foreman, Yd. Dept.	159	190	185	534
C. Graff, Finisher Molding Dept.....	155	222	177	554
TOTALS.....	770	900	845	2515

The above team took two out of three games from the Powhatan Cigars, one of the strong teams of St. Louis.

Places are open on The A. S. F. Bowling Team and all good bowlers are requested to present themselves to Mr. A. B. Fisher, Chief Process Inspector, for a try-out.

Mr. Lew Birk has been proclaimed the champion horse shoe player of this Plant after defeating J. E. Robertson in a specially arranged match.

## At Indiana Harbor Works

The Indiana Harbor Bowling League opened the season October first, and promises to make this year a more successful one than that of 1920.

### Cleaning Fire Houses and Equipment

Mr. W. Butler	- - - - -	Captain Company No. 1
Mr. W. Johnson	- - - - -	Captain Company No. 2
Mr. G. Dixner	- - - - -	Captain Company No. 3
Mr. J. Sterling	- - - - -	Captain Company No. 4
Mr. H. Barnum	- - - - -	Captain Company No. 5

	15	15	15	15	15	15	10	10
Com- pany	Fire House	Hose Cart	Hose	Lan- terns	Axes	Hose Noz- zles	Gen. Ap- pear- ance	Total Points
1	13	15	15	12	15	12	8	90
2	5	8	10	15	15	12	5	70
3	10	12	12	13	15	10	7	79
4	14	15	15	15	15	15	10	99
5	10	12	10	13	15	15	8	83

### No. 4 Winning Company—

Mr. J. Sterling, Captain  
Mr. C. B. Johnson  
Mr. W. C. Campbell  
Mr. P. Dahm  
Mr. G. Yonke  
Mr. R. Davis, Chief

## At General Offices

The American Steel Foundries Team, composed of players selected from the General Offices and Indiana Harbor Works, after playing excellent ball towards the end of the season, finished in third place in the Chicago Industrial Athletic League, Southwest Zone. The following table gives the official standing in the League, at the close of the 1921 season:

	Won	Lost	Pct.
Illinois Steel Co.....	12	2	.857
La Salle Extension University.....	9	4	.692
American Steel Foundries.....	8	6	.571
Haywood Bros. & Wakefield.....	8	6	.571
Northwestern Stove Repair.....	8	6	.571
Jos. T. Ryerson & Co.....	7	6	.538
Standard Cooper Bell Co.....	3	11	.214
National Lead Co.....	0	14	.000

Manager McCaffrey, of the Indiana Harbor Works, says he won't stop next year until this team stands first in the League, and members of both the General Offices and Indiana Harbor Works are of the opinion that it will land first honors.



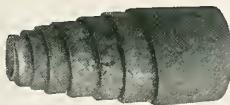
# Company Products



Cast Steel Rack Trolley Side



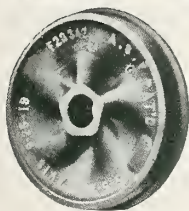
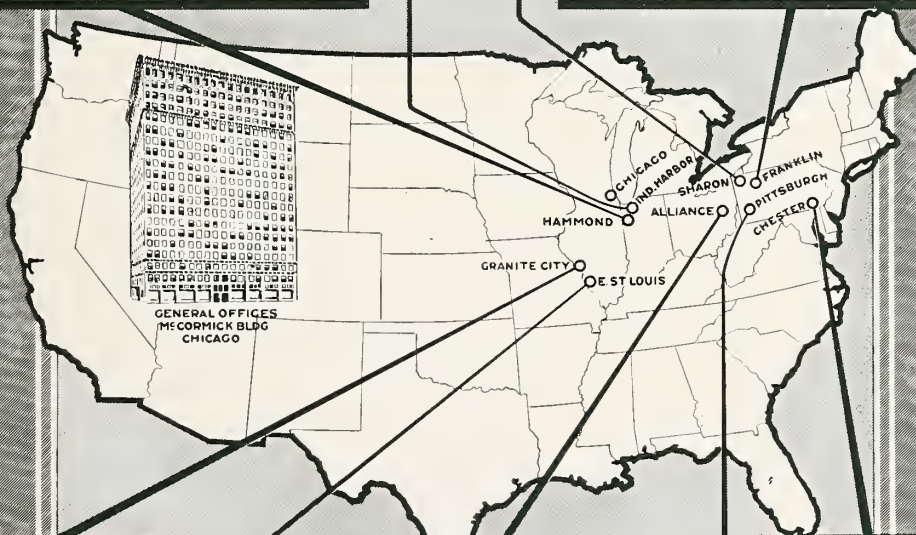
Cast Steel Vulcan Side Frame



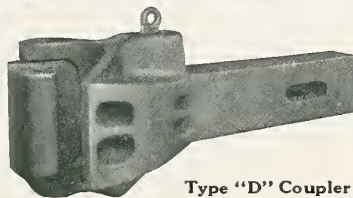
Volute Buffer  
and Draft  
Springs as  
used on  
foreign  
freight  
equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving  
Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







# THE OCTAGON

|| November, 1921 ||

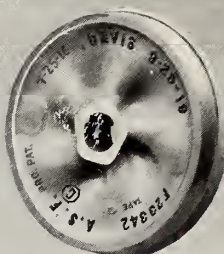




# Company Products



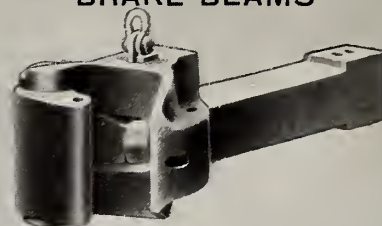
**SPRINGS**



**DAVIS  
STEEL WHEELS**



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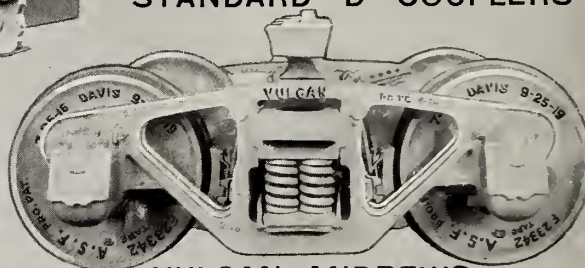
**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



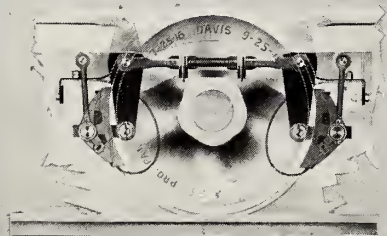
**ECONOMY CAST  
STEEL DRAFT ARMS**



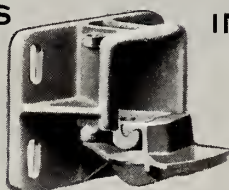
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



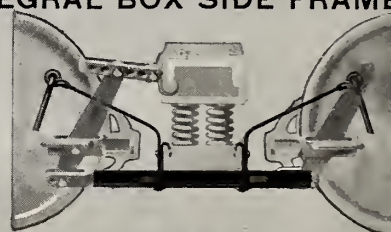
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



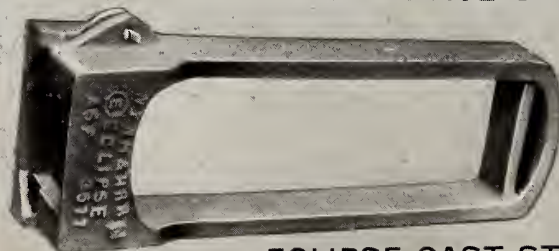
**SIMPLEX  
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**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





VOLUME VI

NOVEMBER, 1921

NUMBER 23

## CHECKING SAMPLE CASTINGS

By

J. D. RITTMAN, Sample Checker, Granite City Works

**S**TANDARD practice of the American Steel Foundries organization provides that all steel shapes must be subjected to sample check in advance of production of the regular scheduled order. For this purpose one and sometimes two castings are made and poured as trial castings. The wisdom of this step is obvious, as it saves the Company enormous sums of money through errors discovered in advance. Faulty construction of a pattern can very easily be remedied, and methods of molding improved on to such an extent that the castings can be produced much cleaner and gauging points made to correspond with drawing, entailing a minimum amount of labor to be performed on all castings that proceed through the Finishing Department, thereby eliminating excessive chipping, one of the chief factors that run up costs to staggering amounts. An efficient checking of a sample means that the regular production to follow will not be retarded on account of extra labor to be performed, and also spells satisfaction in another way because it means a satisfied customer, thus having a distinct bearing on future orders.

### Checker's Job One of Responsibility

One can readily see that the work of the Sample Checker in a Steel Foundry is about as great in importance and responsibility as that of a Bank Cashier. An error overlooked in checking a sample is often very costly to the Company, because small discrepancies in the pattern sometimes make an appreciable difference in the Chipping Room.

When a certain pattern is reported as "ready for the sand," it is carefully inspected in the



J. D. Rittman, Checking a Sample

Pattern Department before it is taken into the Foundry. The pattern and core boxes are carefully checked and if necessary, small changes are made, such as adding fillets, strips, etc.

The pattern and core-boxes are then delivered to the foundry and the cores made, carefully dried, and the pattern placed in the sand. The Chief Process Inspector and the Sample Checker witness the finishing of the mold, to detect any cores which do not fit properly or any sections of the mold which should be made heavier or reduced in thickness. Sketches are submitted with the written reports to the Pattern Foreman, in order that he may be better able to locate the discrepancy and remedy it. When these details have been properly attended to, the mold is ready to receive the molten steel. After pouring, the casting is allowed to cool and then drawn from the mold and delivered to the Cleaning and Machining Department.

In the Cleaning and Machining Department the Sample Checker makes it a point to locate his samples on the Roughing Floor, where he ties a red tag on them to signify to all concerned that this casting should have the right of way over all others, so as to rush it as much as possible and not hold up production on the regular order any longer than absolutely necessary.

### **Method of Checking to Blue Print**

A systematic method of travel allows the casting to be checked, to arrive at the Sample Rail in the rough. The casting, regardless of type, is thoroughly cleaned of sand and jagged rods and weighed. It is then roughed and chipped and weighed the second time. The object of this procedure is to determine percentage of yield to production of good castings, thereby procuring the exact weight of waste metal.

The proper method of checking a sample then follows: Start at the center of side elevation and work out toward the ends. The top plan is then checked, followed by a check of the bottom plan. All variations between the casting and the blue print are carefully noted. After

completion of check of the stated three views, all cross sections are carefully considered in their turn. All rivet holes should be one-eighth larger than the size specified on the drawing, and all bolt holes should be three-sixteenths larger, so as to give free access to the bolts and rivets in assembling, except in cases where customer desires to ream out the holes to fit, in which instance the holes, as cast, are usually made a trifle smaller than the size specified on the blue print. The metal thickness is then checked at all points about three inches apart on both the cope and the drag sides, thus gaining a very good idea of the average thickness of the metal.

### **Inspection for Other Defects**

After checking the dimensions very closely and noting all deviations, from the blue print and railroad specifications, on the Sample Checker's report, a careful and thorough inspection of the castings is made with a flash light for shrinkage holes, cracks and other similar defects and these undesirable features noted on the checker's report.

The casting is then chipped at gauge points and gauges applied and made to fit properly on the casting. The most important dimensions to be watched are the wheel base, distance from spring seat to the journal bearing, distance between columns and the distance between pedestal jaws.

### **Co-operation with Departments Interested**

Copies of the Sample Checker's report are then ready to be distributed to all the departments interested in production. The Pattern Foreman, upon being notified that the sample has been checked, goes to the sample room and checks over the report of the checker and tries the gauges in order to see that nothing has been overlooked. All deviations from the blue print specifications are remedied before the pattern is again placed in the sand for a second sample. After the "job" has been pronounced O. K. for regular production, the sample checker's duties



are not yet completed; he watches the castings a few days for anything that may turn up, such as thin sections of metal, light weight or heavy weight. Troubles of this kind, on a job once

pronounced "O. K. to run," are reported on the Pattern Specials Form and immediately corrected, in the Foundry or in the Pattern Shop until the castings are "coming right."

## A TRIP TO SCOTLAND

By

MR. JAMES A SUTTIE, Assistant Works Manager, Indiana Harbor

**K**NOWING that many readers of THE OCTAGON never have crossed, or ever expect to cross the Atlantic, a trip to Scotland written in the form of a travelogue, may be of interest.

We will assume that we have reached New York and have finally disposed of all of the "red tape" incident to a trip abroad, and are waiting to embark on the White Star Liner "Adriatic."

As the hour of sailing draws near, the bustle and seeming confusion on the dock increase, until all passengers are on board. At the stroke of twelve the lines are cast off and two tugs begin slowly warping out of dock the ship which will be our home for the next nine days. Soon we are in mid-stream with bow pointed down the river and towards the open sea. The day is clear and as we steam along slowly we cannot but enjoy the panorama unfolded. We pass the Statue of Liberty and Ellis Island, and between lanes of ocean-going vessels waiting their turn to dock. About 4:00 P. M.

full speed ahead is the order and we are now fairly on our journey.

It might be interesting here to give a few facts pertaining to our boat. The R. M. S. "Adriatic" of the White Star Line has an overall length of 726 feet, a registered gross tonnage of 24,541 tons, has the reputation of being a steady sailer (we will find out for ourselves very soon), and has been in the Atlantic trade for over twenty years. She is not very fast—nineteen knots per hour—and carries first, second and third-class passengers, also cargo. Although not as fully equipped as many of the more modern liners, the comfort of the passengers is considered in every way.

The sleeping cabins are all that we would expect and the dining rooms, seating about two hundred in the second class, are the equal of the best hotels, not only in appointments but also in service, the choice range of food being sufficient to satisfy all tastes. There is also a music-room, lounge and reading room and, last, but not least, that name of tender memories,



Steamship "Adriatic," on which the author of this article sailed for the trip to Scotland he describes

a "bar," where the only prohibition law comprises sufficient time off for the waiters to eat and sleep.

We are now out where we can feel the ship pitch a little, but there are yet no signs of distress, and the indications are that a pleasant trip is ahead of us, as we are heading southeast and into warm seas. Everyone now seems to know everyone else, and with music by the orchestra forenoon and evening, deck sports, and dancing in the evenings, the days pass pleasantly and rapidly enough; even the seemingly endless requests to "sign here" and "fill this out" cannot mar the pleasure of the trip. Given good weather and pleasant associates, nothing can compare with a trip across the ocean.

We have now been following the Gulf Stream for three days, the water is still warm and the sea smooth, and so our journey continues until the Lizard Light, built on the most southerly point in England is passed, and eight hours later we drop anchor in the harbor of Cherbourg, France, having covered 3282 miles in eight and a half days. We have enjoyed our stay on board, and so long as we did not see land we never gave it a thought. However, the sight of the docks, and further back the smokestacks, etc., of this little French seaport creates a feeling which is hard to explain.

At Cherbourg two ocean-going tugs steam alongside and passengers destined for Switzerland, Italy, France, etc., disembark. Here also all the European mail is turned over to the French postal authorities. Cherbourg has a population of about 40,000 and is what might be termed a Naval Arsenal and fortified seaport. It is here that France looks after her navy, having everything necessary for the complete fitting out of her ships of war.

After a stay of a few hours we again turn towards the English Channel, destined for Southampton, England. The trip across occupies about six hours and then we have our first glimpse of England.

Here in America we have been used to scenery, which, of its kind, is unsurpassed the

world over. However, as we snake slowly up the Solent towards Southampton, past the Isle of Wight, we realize that here is something different; the vegetation seems greener, the farms are laid out in an orderly fashion, each field being hedged, fenced or walled in; and the little white stone, red-tiled cottages, nestling among the trees a short distance back from the water, make such a contrast to what we have been accustomed to in the States, where everything is on a much larger scale, that we cannot help but express admiration. It is here that the wealthy Londoners have their summer homes, the towns of Newport, Cowes and Sandown on the Isle of Wight, being particularly favored, and it is here also that the principal Regattas are held.

Arriving at Southampton, which I might say, in passing, is one of the most important seaports in the British Isles, we finally manage to worry through the formalities incident to landing on foreign soil. Naturally, the returning Britisher gets off much easier than the subjects of other countries. Two special trains are waiting on the dock to convey passengers direct to London. We make a non-stop run to London, arriving at Waterloo Station about 10:30 P. M., and at once commence to realize we are in a country which is still suffering from the results of the war.

Upon inquiring for a meal such as we would expect in the States, we find food stuffs are very scarce and all manner of restrictions in force. Restaurants and eating houses are closed at 11:00 P. M., railroad stations closed from 12:00 midnight until 5:00 A. M., street cars, buses and underground railroads do not run between 12:30 and 5:30 A. M., and hotels are loathe to admit travelers after midnight. (Wonder what would happen in a place like Chicago or New York if such were the case!) We also find it is the custom for policemen when traveling their beat to stop and question anyone on the streets after 1:00 A. M.—rather a tall order for the policemen of New York or Chicago or any other large city of America,



still the idea might well be emulated here as a curb to crime.

London, as is well known, is the largest city in the British Empire and the Seat of the British Government. It dates back to the time of the Romans, early history recording the fact that in 786 A.D. it was a walled and fortified city. The population of the city proper (comprising 120 square miles) is approximately 4,500,000 and of greater London (700 square miles) about 7,500,000. London as a city is not attractive except in some of the more modern sections. Streets are well paved and lighted, but much of the effect of the numerous fine buildings



Trafalgar Square, the center of London's present-day traffic

is lost by overcrowding and want of fitting sites. As a rule, the streets are very narrow, causing traffic congestion; in fact, some of the most important streets in the business section of the city are only wide enough for two vehicles to pass one another. However, there is much of interest—the Houses of Parliament, Buckingham Palace, St. Paul's Cathedral, The Tower, Westminster Abbey, etc., being worthy a visit, as is also the Tower Bridge over the River Thames.

While London cannot be singled out as a leader in any one particular branch of industry, it ranks with Chicago, New York and Ham-burgh as being one of the greatest commercial centers of the world.

Having "done" London, we now make our way to St. Pancras Station of the East Coast Railway and embark on the "Flying Scots-

man," as they call their crack train, bound for Edinburgh, Scotland. This train makes only two stops between England and Scotland, a distance of 400 miles.

To one used to the style and capacity of the rolling stock in America, the British railroad equipment seems puny and can be imagined when we state that the average capacity of their freight cars is eight tons—picture the situation over here if we did not have our thirty, forty and fifty-ton freight cars. The locomotives, however, call for admiration insofar as their finish, workmanship and appearance are concerned. Each railroad has a distinctive color scheme, the East Coast Railway, for instance, having green and white, the steel work on the locomotive, wherever possible, being burnished. The coaches also differ, having the corridor down one side instead of in the center, which connects separate compartments, each seating ten persons.

As we leave London going North, we find the country very flat, more or less like parts of Illinois and Indiana, with the exception that the soil is black and heavy instead of sandy. This is one of the reasons why the British farmer is able to get so much out of small acreage.

The trip North takes us through such towns as Crewe, York and Newcastle, the latter town being one of the busiest seaports on the East Coast, catering to the Scandinavian trade. About an hour after leaving Newcastle we cross the border between Scotland and England and travel through hilly country. Berwick, a town on the borders, might be likened to some of the towns in France and Belgium which made history in the war, as it has been the scene of many battles between the Scotch and English until they decided in 1603 to bury the hatchet and live in peace.

We arrive at Edinburgh eight hours after leaving London. Edinburgh is the second largest city in Scotland, having a population of approximately 400,000, while Glasgow has an approximate population of eight hundred thousand. Edinburgh is what might be called an

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old town, very picturesque, but not what we in America would call up-to-date. It still has the old style cable cars, old buildings, poor sanitary conditions, etc. Being the capital, here are located the ancient Parliament Houses, etc., dating back to the time when Scotland had a ruler of its own.

It is famous as an educational center and is also the hub of the bookbinding industry in Scotland.

To an enthusiastic sightseer, Edinburgh presents much of interest. Here are the Castle, Holyrood Palace, Scott Monument, Forth Bridge, etc. The country surrounding the city proper is pretty and easily reached by a very extensive and up-to-date motor-bus service.

It might be interesting here to give some idea of the size and nature of the country. Scotland's greatest length from northeast to southwest is only 287 miles, the breadth varying from 140 miles to 30 miles. Few points in the main land are more than 40 miles from the sea, the country being so much penetrated by inlets. The islands of Scotland number nearly 800. The east coast is low and sandy whereas the west coast is generally a wide, deeply indented mountain wall. The total population is approximately 5,000,000 or little less than double the population of Chicago. As can be imagined from the figures given, the greater part of the country is sparsely populated and several of the islands on the west coast are uninhabited.

As is well known, Scotland is famous for its textiles, chief of which being tweeds and linens.

There is an abundance of coal and iron to be found in the midlands and lowlands and

these are extensively worked. On the outskirts of Glasgow there are large steel works and blast furnaces, which before the war were able to compete with the best markets of the world. Glasgow, and several smaller towns located on the River Clyde, are noted for ship-building, such liners as the ill-fated "Lusitania" and several of the larger liners of the Cunard Line being built there.

Using Glasgow as headquarters, there are several one and two-day trips which can be made; for instance, by auto or boat north by Loch Lomond and through the Trossachs, one

of the beauty spots of Scotland; down the River Clyde and around the Kyles of Bute, or into Robert Burns' country in Ayrshire. A short auto ride from Edinburgh also takes us to Melrose and Abbotsford, made



Forth Bridge, a structure requiring the labor of 5000 men, day and night, for 7 years. Fifty-one thousand tons of steel were used and five million rivets

famous by the poet and writer, Walter Scott. Dunfermline, the birthplace of Andrew Carnegie, of steel fame, can also be easily reached.

While visiting the various towns we are more than ever impressed by the sight of so many men wearing the silver badge issued by the British Government, the outward sign that the wearer had been disabled in the war. Here also we find restrictions even greater than in London, at this late date several commodities still being rationed.

The days pass quickly and soon we have to give thought to the return trip, bearing in mind the necessity for having passports visèd by the British and American Consuls and checking up the steamship company to make certain that our return passage is assured. The ideal arrangement would be to return by Liverpool and Ireland, but we are not so fortunate



and have to make our way back via London and Southampton.

Sailing day is similar to that recorded at New York and at noon we cast off and make our way on the White Star Liner "Olympic" down the Solent destined for Cherbourg, France, and then New York. The return trip is made by the short northerly course, this being 2930 miles or a difference of 352 miles from the outward trip, which totaled 3282 miles. The return trip is not very pleasant, the weather being wet and the sea rough. However, after a passage of six days, we drop anchor abreast Ellis Isle and await the Doctor and Immigration authorities. After receiving a "clean bill of health" we steam slowly up-stream towards White Star Pier No. 60.

If there is anyone who doubts the love of Americans for their country or the feelings of aliens when arriving here, let him stand on the deck of a homeward bound liner when it passes the Statue of Liberty, and unless devoid of all feeling and sentiment, he will feel that funny lump in his throat when he hears



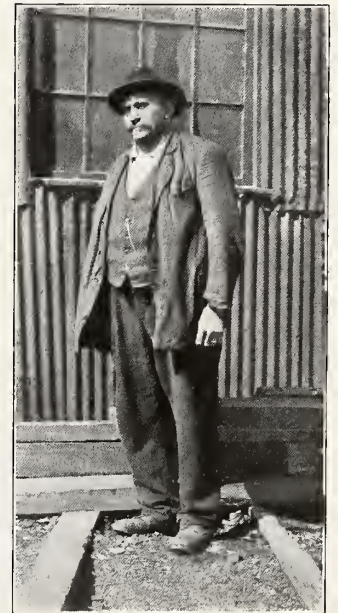
the cries and cheers which greet the sight of "The Lady." Nowhere in the world is there anything which can bring out such an outward expression of loyalty to a country.

When nearing the dock, we are met by a flotilla of tugs—fourteen in all and after much snorting and whistling our boat is safely tied up. After a final "accounting" of the number of passengers on board, we are permitted to land but still have to endure the very necessary

but tiresome wait on the dock in order to have baggage inspected by the Customs authorities. After a few hours, during which time we say last good-byes and exchange addresses with acquaintances made on board, we set out for the Railroad which will bring us to our home, the end of a trip which will live in our memory for years, if not forever.



Henry Thiele, or "Dutch Henry," (Granite City Works) as he is affectionately called by his innumerable friends, has been with the American Steel Foundries for forty years as Carpenter Foreman. During these years he has endeared himself to all who know him, by his generous heart, soul and mind. A giant in body, he is always able to do a marvelous day's work. He also has an indomitable will power, as several years ago, after an illness which had left him very weak, against the advice of his physician, "Dutch Henry" was on the job every day. Sometimes he would have to stop and rest a bit, but not for long as he said he had "too much work" to get done. As a layout man he shows exceptional skill, for he can layout and cut the pieces for a building to be erected, and when the parts are assembled they invariably fit perfectly. He is often referred to as the only man in the country who can use a shingle for a blueprint. Around the holidays, if there are any kiddies whose folks are unable to secure presents for them, "Dutch Henry" generally finds time to build doll houses, sleds or toys of some





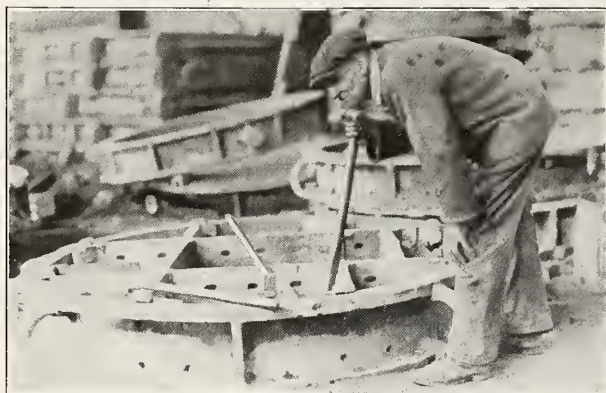
# THE OCTAGON



kind for them. This is a man who knows the ups and downs of life and any time you can go to "Dutch Henry" for advice, feeling that your trouble is his trouble. We should be thankful for such characters as "Dutch Henry" who stamps his name in the hearts of his fellowmen with an indelibility that never fades.

(Written by Marshall Post, who knows him well.)

Mr. Moses Thompson, better known as "Mose," is one of the well-known Flask Fitters at Chester Works, employed in No. One Foundry. He entered the service of the American Steel Foundries on June 15, 1897, working three years as a molder's



helper. Since that time he has put in twenty-one years as a Flask Fitter. Mose was born in Ireland, January 6, 1858, and came to Chester, May 20, 1874. He recently lost his wife and now makes his home with his children in Chester, on Highland Avenue. He has an interesting family of ten children, seven of whom are girls and three boys, and, in addition, Mose can boast of being called "Grandfather" by three grandchildren.

Mr. Thomas Ryan, Pipefitter Foreman at the Sharon Plant, is one of the oldest employes in point of service at the Sharon Works. His first connection dates as far back as 1896, when the Sharon Works was known as the American Steel Casting Company. Mr. Ryan worked for the A. S. C. Company until 1899, when he resigned to take up work elsewhere. Returning, however, in 1903, he has been identified with the Company ever since. He started



as pipefitter, was promoted to foreman in 1905 and holds that position at the present time. Most anything you want to know about the Sharon Plant, Ryan can tell you. So accurate is he with his dates that he can tell you exactly when any "special" event has happened around the plant. Mr. Ryan is a member of the E. B. A. and a strong booster of THE OCTAGON.

## THEIR FAVORITE DISH

Mr. E. Vignos' (Night Watchman, Alliance), favorite dish is

### Cucumber Catsup

which is prepared in the Vignos home in the following manner:

"Take fifteen cucumbers and nine large onions; grind in food grinder. Salt to taste and let stand over night. Place in a bag and let drain. Replace amount drained with equal amount of cold diluted vinegar, a cup of mustard seed and pepper to taste. Put in jars and seal. Mrs. E. Vignos."

Mr. Dave Schultz' (Shipping Clerk, Hammond) favorite dish is

### Cocoanut White Cake

which is prepared in the Schultz home in the following manner:

"Take two cupfuls sugar, one-half cup of butter, creamed; one-half cup of milk; two and one-half cupfuls well sifted flour, into which two and one-half teaspoonfuls of baking powder have been sifted. Then add the whites of eight eggs, beaten very stiff and folded in. Flavor with vanilla. Bake in two layers. Frost with a good white frosting, after which sprinkle heavily with cocoanut.

Mrs. Dave Schultz."

Mr. Frank Balmer's (Stationary Engineer, Pittsburgh) favorite dish is

### Baked Lima Beans

which is prepared in the Balmer home in the following manner:

"One pound of dried lima beans, boiled until almost soft. Cut slices of bacon into cubes and fry; then slice one or two onions up and fry with the bacon until brown. Add a can of tomatoes and cook all together a few minutes, seasoning to taste. Then drain the beans and cover with the tomato sauce, and bake for about two hours slowly.

Mrs. Frank Balmer."





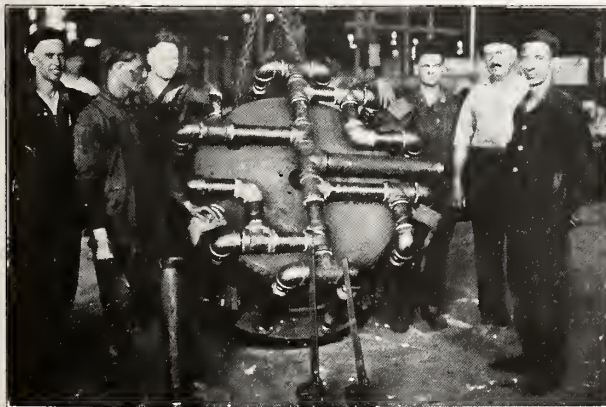
**What Every Foundry Man Ought to Know**

Contributions by  
C. LAIN, Granite City Works  
F. WUKITCH, Pittsburgh Works

## NEW QUENCHING RING

The accompanying photograph illustrates one of the many types of pipe fitting problems put up to the Granite City Pipe Foreman.

This photograph shows the bottom of a new quenching ring designed to toughen the treads of Davis Steel Wheels. It will be noted that the apparatus consists essentially of a hollow drum about forty-two inches in diameter surrounded by a network of three-inch pipe spaced equidistant around the ring (shown at the base of the drum as the part resting upon the floor), and joined together beneath the base of the ring with the inlet pipe (shown in the center leading toward the right hand side of photograph).



Any pipefitter, who has ever tried to turn out a job of this sort with a three-inch pipe, can appreciate how accurately each pipe must be cut and threaded to come out symmetrically and have no leaks. Some idea of the amount of cutting and fitting necessary for a job of this kind can be gained by those unfamiliar with pipefitting when it is stated that this job required the following material:

25—Pieces straight pipe cut and threaded to 1/64" of required lengths.

16—Pieces 3" x 2" elbows.

11—Pieces 3" T's.

12—Pieces 2" Unions.

Left to right in photograph are: Messrs. Phillips, C. Lain, Hulsmann, J. Goin, pipefitters, and Schroeder and Grunden, machinists. Mr. J. Goin did most of the actual pipefitting.

## SOME SUGGESTIONS TO BE FOLLOWED OUT ON MOLDING FLOOR AND CORE ROOM

If the following rules are carefully observed by the men on the Molding Floor and in the Core Room, it will contribute considerably towards improving the general appearance of the castings and cutting down the percentage of defective castings:

1. All molds should be gated properly. Do not cut gate into core print, else the flow of metal will be obstructed when core is placed in mold.

2. All core prints should be thoroughly vented. A slight jab with the lifter is not sufficient vent clear through the cope or drag.

3. Don't chill core prints, since the core setter will have to pull nails out when setting the cores.

4. When washing molds do not wash core prints, as it is sometimes difficult to tell in light work whether it is a core print or metal.

5. All cores that can be put in while mold is green should be, because it makes a neater job and a better looking casting. If these cores are left to be put in on the dry floor, it requires considerable time and the setting of the floor ready for a heat may be delayed.

6. Cores should be properly vented and hooked. All large cores that require pasting should be hooked from the drag core, leaving an opening in the cope core so that they can set in on the dry floor.

7. All pasted cores should be jointed, measured and calipered before being pasted. When this precaution is not taken, the mold gets full of dirt from the fitting of the cores and it is sometimes quite difficult to clean it out. A dirty mold cannot result in a sound casting.



Vol. VI

NOVEMBER, 1921

No. 23

Published by American Steel Foundries, Chicago, in the interest of its employes.

The purpose of this publication will be to provide the employes with a medium for the exchange of their opinions, suggestions, and experiences, and to acquaint them with the activities and products of the company.

Sent free to all employes of the company; to others the subscription price is \$2.00 per year.

Address all communications and exchanges to K. L. Ames, Jr., Managing Editor, THE OCTAGON, American Steel Foundries, McCormick Building, Chicago.

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

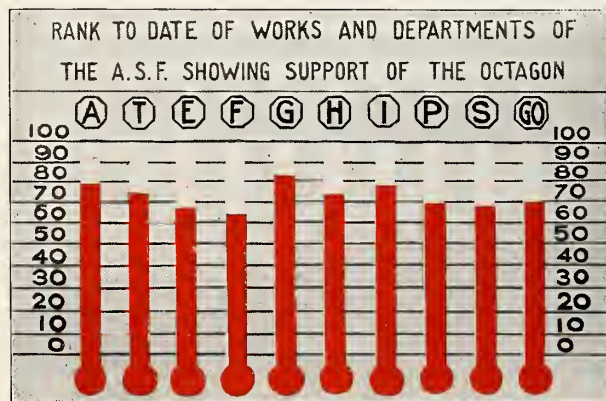
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From the inception of the Octagon to November 1st

## "Procrastination"

Procrastination is the thief of time and time is the basis on which we are all paid by our employer. If procrastination robs our employer of the time for which he pays us, he will soon become aware of such robbery and we will soon be the sufferers thereof in our pay envelopes. Just going through the motions is not sufficient for our employers. Something more is required. Unless we accomplish all we undertake and all we are supposed to undertake, our effort is worse than wasted. It is very well to come to work at the proper time in the morning and leave on time at night, but we should serve with heart and soul throughout the day and should not leave unfinished anything that could have been completed and completed correctly today. The man that is most wanted and the best man after all is the man who gets things done *on time*.

To pick out a procrastinator is an easy matter. He is the fellow that never has time to do any extra thing in his line for you when asked. He is the fellow who is always too busy just now to listen to you or who tells you to come back tomorrow. He is the fellow who keeps his locker full of old junk and who throws the refuse from his lunches on the floor about his work bench. He is the fellow in your office who has his desk littered and cluttered with unfinished work, and who can never find for you the information you want. He is the fellow who never returns his tools to the tool room. He is the one who kicks the most when he is docked for coming in ten minutes late in the morning. He is always stalling around and you can tell him by looking at him, for he always appears to be pulling behind him a two horse load of coal and don't seem to be getting anywhere with it.

Look at yourself, and if you are a procrastinator, either a full grown one or in infancy, get out of it and see how much brighter is life to get caught up once with your work, and then keep pushing it ahead, for it is much easier to kick your work ahead like a toy balloon than to pull it behind like a cart. To rid yourself of this monster you will soon become a leader instead of a follower and a pusher instead of a puller. It will cause you to come to work in the morning with a clear, clean desire to know what the day will bring forth and will cause you to leave your work at night with a light heart, knowing that you have accomplished, to your best ability, the purpose for which you have been employed. (W. E. Fetter, Chester Works.)

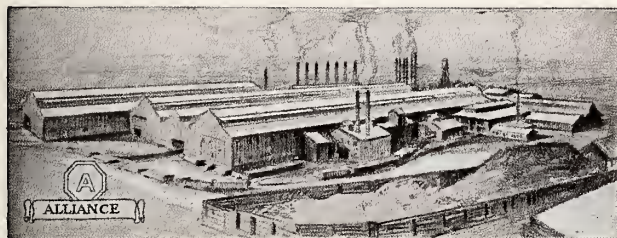
The man who is above his job may one day find his job above him.

Are you doing all you can to reduce accidents to a minimum?





## PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



### Alliance

Mr. Fred Houk, Pattern Shop Clerk, recently treated to cigars and candy, owing to the arrival of a nine-pound boy. Mother and boy are both doing well.

There is quite a controversy on between Messrs. Bob Hole and Byron McCausland as to which is the better billard player. They have only played seventeen thousand matches and cannot decide who is the champ. Why not have a regular match boys and settle it once and for all?

Recently the United States Chamber of Commerce sent out a special edition of a Committee Report on "European Conditions Affecting American Business." Every one here was interested in this article as Mr. Lamont, President of the A.S.F., was a member of this Committee.

We regret to announce, that Mr. B. E. Devers, better known as "Barney" has passed out of this life. Mr. Devers had charge of the

Pattern Storage since January, 1890, representing 31 years of continued service at this works. The company and employes will miss him and his services to a great extent, as Barney was always on the job and willing to go out of his way to accommodate any one. Our heartfelt sympathy is extended to his family in their bereavement.

We wish to call the Chicago Office attention to the fact that we have an A-1 salesman at the Alliance Works who is none other than Order Clerk, R. Biery. "Pete" has made good selling automatic stop signals for autos and we believe that he could make good selling couplers.

A short time ago, Messrs. Hole, McPherson, Stoughton and Funkhouser, sojourned to the Columbiana County Fair Grounds at Lisbon. As that "neck of the woods" is Major Hole's home, he volunteered to show the rest of the boys a time,



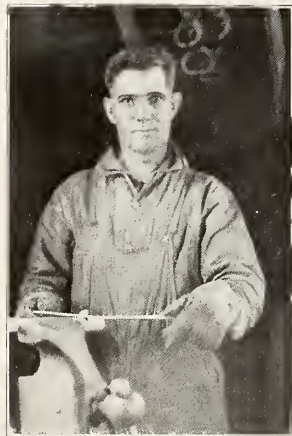
The Goomf Club recently held their Annual Stag Picnic, at Hoppe's Grove. Everyone enjoyed themselves during the afternoon, playing baseball, cards, and throwing horse-shoes until late. Finally they were persuaded to sit for a picture, the result shown above

promising to point out the long-whiskered as well as the short-legged (caused by walking on the hill-sides). The Major fell down on his promise, however, and Mike won the laurels, claiming more acquaintances and friends for the day.

About sixty Merry Goomfs, their wives and friends, attended a weiner and marshmallow roast at Rockhill Park, recently. After having their fill, all sojourned to the dance hall, where they swayed to and fro to the strains of music furnished by the Harmony Five. A good time was enjoyed by all until the early hours of the morning. The Committee (composed of the girls of the Club, with Mrs. Chas. Hartford as chairman) is to be congratulated for its efforts to make the event a big success. The next entertainment will be a stag party, to be held at Hoppe's Grove, where a big time is promised for the men.

Mr. F. D. Manfull, Carpenter Foreman, forgot that September 15 was the last day to wear straw hats and consequently same was painted a bright orange and light gray. Mr. W. Odum proceeded to make a baseball out of it, and Ford said it was a shame to ruin a good Panama like that.

Mr. Ralph Tanner, Chill Foreman, recently got some cement in his eye and took a short vacation, but Ralph soon forgot which eye it was.



Ignazio Pasquala, Scrap Drop Operator, 5 years' service, Alliance

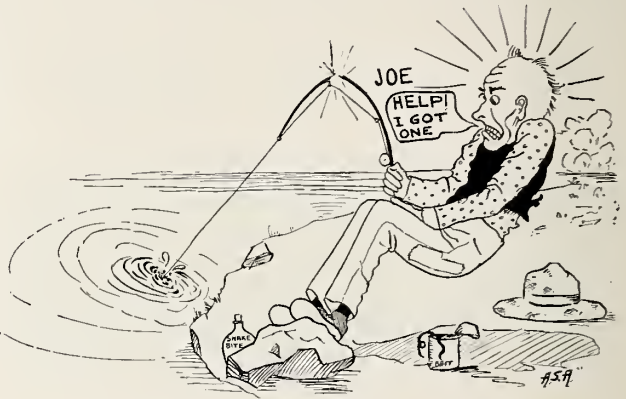
Mr. Glen Wilt, Special Apprentice, met with an accident while swinging a sledge, and is getting along nicely at present. Hope you are back with us, Glen, in a short time.

Mr. Judy Sloan, Yard Clerk, is now driving a truck. He says the only trouble is that it takes a notion to go where it should not, and he has an awful time with it.

Mr. Dean McCrea, Addressograph Operator, can be seen most any of these days acting as escort up and down Main Street. More power to you, Dean.

A short time ago, the new foundry was all white-washed, but since then, the boys have taken the whitewash off the trusses and have painted it a gray. They say it was a nice job, NIT!

Messrs. Alec Robertson, Joe Wagner, "Pop" Alexander and "Slick" Packer journeyed to the land of fish along French Creek, a short time ago, and this time they knocked 'em cold. They snared twelve big ones during the few days they were there, and if you don't believe it, ask Al Abegglen, for he feasted on a couple of the beauties.



"One More and I'll Have One"

The only trouble was that "Pop" got too strong on one and broke a pole, while Alec Robertson's feet got tangled up and he stepped on another one—(language censored). Fish were flying so fast that Alec hooked one in the back as it went by, and another jumped in the boat and hit him in the chest.

It takes "Pop," however, to catch the real ones. One night he hooked into the bottom of the creek and had to call for help to land a boulder, and another night he landed a dandy mussel shell.

Alec Robertson's appetite failed him while in camp, for on one occasion all he ate was ten pair of frog legs, two pound and a half bass and six slices of bread, washed down with a quart of coffee. (Ask him if you don't believe it.)

Everybody had a great time, even if the two Alecs were the goats, for believe me, if they can't fish, they can play pinochle—ask Joe and "Slick."

Steady work tends to make steady nerves.

"Strike while the iron is hot," is good. Too many strike while the head is hot.





## Chester

Mr. Wesley Denkins, No. 2 Dry Floor Mold Cleaner, is shaking hands with himself over his recent good fortune. Someone broke into his home but was frightened away before stealing anything of value.

Mr. James J. Ewing, Superintendent, has been under the weather though not confined to his home. Mr. John Farmer, No. 1 C. & M. Foreman, has been absent on account of the endeavor to regain his health.

Mr. and Mrs. Gurnsey Gray have moved to Buckman Village. There are rumors around that they will shortly change the name of Buckman Village to American Steel Village, as there are so many of us there; A. S. F.'s practically run the village anyway.

Mr. M. J. Connolly has been appointed General Foundry Foreman at this Plant. Mike is an old-timer around Thurlow and the boys are glad to have him with them once again, and wish him success.

Mr. Harry King, Repair Department Clerk, spent his vacation at the Germantown Golf Club, making the course in 76. Harry is an old rounder in the golf game, and his best score is 72. The only thing Harry misses is the 19th hole.



Manlove Jones, 12 years' service, and Wm. Cornog, 12 years, Blacksmith Helpers at Chester Works

Mr. Chas. Cooper, Rigger, and family, have moved to Fourth and Palmer Streets.

"Bobby" Robinson, Rammer in No. 1 Foundry, got a nip of the autumn breezes, quit his job and flew to Savannah, Ga., where he will spend the winter, dreaming about the snow and ice around Thurlow.

Mr. Elmer Elliott, No. 1 Foundry Crane Operator, can be seen these days oiling up his old Trusty in anticipation of his annual gunning trip to Whitehall, Md.

At a meeting of the Foremen's Association, held recently, Mr. Gordon MacDonald was elected Treasurer to fill the unexpired term of Mr. Wm. Foster. Mr. Wm. Brown, President, assigned subjects to three of the members on which to give short talks at the next meeting. The Association, figuring that they had entirely too much money in the treasury, decided to give some of it to Sam Shubert, and took in the performance of "Little Boy Blue" the next Friday evening.

Mr. Kirk West, No. 2 Foundry Molder, is still handing the boys a line about his pigeons. Kirk certainly deserves a lot of credit for his birds this season have come out on top at Chester. Four of his birds returned from the 1000-mile fly and Kirk holds the record for Chester.

Mr. Dominic Verlezza, of the Sand Mill, is an Italian Preacher and holds the boys spellbound in the washroom before starting time in the morning, and, from all accounts, has converted some of the boys to his faith.

"Dutch" Kestner, No. 1 Foundry Molder, is wearing the smile that won't come off, and playing Volley Ball louder than ever since Mrs. Kestner presented him with a bouncing baby boy. Those Perfectos were pretty good, Dutch, congratulations.

Messrs. R. S. Munson, Works Manager; R. E. Power, Maintenance Engineer, and L. C. Moeller, Chief Electrician, attended the meeting at Chicago office, regarding cranes, their maintenance, etc., the latter part of September. During their trip, they also visited the Plants at Indiana Harbor, Alliance, Pittsburgh. Lou Moeller also took advantage of his trip to pay a flying visit to his parents at Davenport, Iowa.



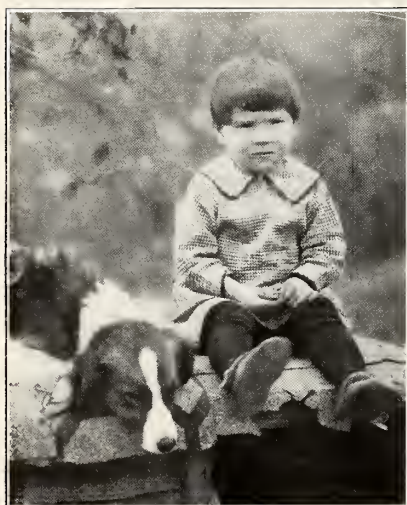
William and Frank, sons of Mike Skomil,  
Granite City



James Edward, son of James Hathorn,  
Pittsburgh



Florence Marie, daughter of J. J. Fr  
East St. Louis



Louise, daughter of Adolph Schatzle,  
Granite City



Francis Earnest, son of Frank J. Leveling,  
East St. Louis



John L., and Harry J., sons of H. C  
Barnum, Indiana Harbor



Robert Boyd, Jr., and Harry Allen, sons  
of R. B. Cottrell, East St. Louis



Lee Oliver, son of O. Bastian,  
Alliance



Joseph, son of Sam Artino,  
Alliance





Ruth, daughter of Jas. Caslin,  
Granite City



Pheda Marie, daughter of C. R. Wadell,  
Alliance



Woodrow and Forest, sons of George  
Winters, Granite City



Genevieve, daughter of D. F. Manfull,  
Alliance



J. Travers, son of Daniel Rittmann,  
Granite City



Kenneth and Du Wayne, sons of John  
Meyers, Granite City



Virginia May, daughter of F. J. Greene,  
Alliance



Cyril J., son of E. J. Bennett,  
Pittsburgh



Evelyn Marion, daughter of H. W. Allison,  
Pittsburgh



We wish to extend our sincere sympathy to Mr. Arthur Reed, Basin Maker in the Foundry, in the loss of his wife recently.

Messrs. Frank McGuigan and Pat Dougherty are still hoarse from their trip with the Booster Club of Chester to Brooklyn, when they accompanied the Chester Base Ball Club to Gotham's Borough to play the strong Bushwick Team.

As a Volley Ball Player, it is rumored around the Plant that Jerry McVey would make a corking good casting inspector.

Mr. Horace Bigger, Pipefitter, and family have moved back to be with his father.

Rapid progress was made in repairing the roofs at this Plant recently.

Mr. Thomas Leonard, better known as "Tommy Smart," Steam Hammer Operator, has at last repudiated the Bolsheviks and allied himself with the Ku Klux Klan.

Mr. Elwood Harper, Test Inspector of the Laboratory, is receiving the congratulations of the sportsmen around the Plant on the winning by his dog of second prize in the recent Dog Show.

It is with regret that we learn of the death of Mr. Wm. Dennis, formerly Foreman of the Sand Mill in the Foundry, at his home in Bacon Hill, Md. He had been sick for over a year with tuberculosis.

Mr. John Queen, No. 1 Dry Floor Head Builder, and a local preacher, occupied the pulpit of a well-known church in Philadelphia, in the absence of their regular pastor, recently. John expects to shortly begin the construction of his own Church in Chester. Good luck, "Queenie."

Mrs. Barrowclough, wife of Howard Barrowclough, No. 2 Foundry Molder and Works Council Representative, has been confined to her home with a serious attack of neuritis.

Mr. Marco Kucan, Chipper, quit work September 25th, after having made all preparations for a trip to his native country. Marco was on the verge of sailing when he received a letter from his home stating that things were in such condition that he had better remain in this country. He came back to work the next week.



## East St. Louis

Miss E. Galloway, Works Manager's Stenographer, having purchased a Dodge Roadster, spent her vacation time touring the surrounding country, and reports a very pleasant trip.

With six or seven cars of sand to unload every day, we do not hear much from Messrs. H. Greve and Pat Hogan, Yard Master and Assistant, but will tell you how we did it next month.

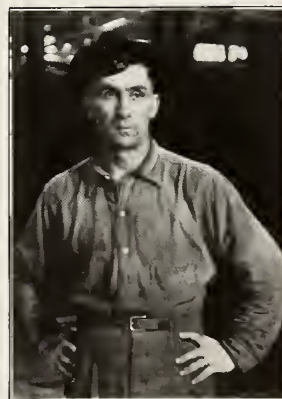
Anyway, we will keep dry this winter, as Mr. L. V. Day, Works Engineer, and his tar-spreaders are busy repairing the roofs.

Mr. J. A. Carruthers, Purchasing Department, Chicago, was a recent visitor at this Works.

The members of East St. Louis Works Organization extend their sincere sympathy to Mr. and Mrs. Carl Thornburg, in the loss of their daughter, who was accidentally burned to death on October 7th.

While we have always been of the opinion that Good Friday came but once a year, Mr. Roy Kinney, Messenger, informs us that for him it comes every other Friday.

Since returning from a two weeks' sojourn witnessing all the popular photo plays, playing pinochle, etc., Charlie Plesse, Cashier, has returned in the best of spirits?? and full of wim, wigor and vitality.



J. T. Traxler, Superintendent  
Open Hearth, 9 years' service  
at East St. Louis

Messrs. P. J. Ward, Works Manager; L. C. Farquahr, Assistant Works Manager, and L. V. Day, Works Engineer, represented the East St. Louis Works at the recent meeting held on Overhead Traveling Cranes, in Mr. J. C. Davis' office in Chicago.

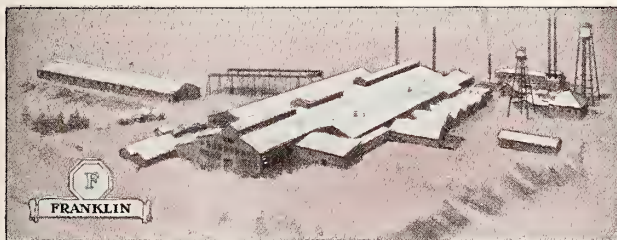


Mr. Jack Stevens, Chief Electrician, came down from Granite City and made a few repairs to the Electric Lines, and added a few new ones to his old line.

From the recipe held by Mr. Alex Smith, Pattern Foreman, we might expect an invitation over around the latter part of the month.

Mr. L. W. Egan, Special Engineer, was a recent visitor here.

Since Mr. T. H. Baylor, Assistant Works Auditor, has been living on the Ridge (Signal Hill) he has been coming to work early every morning so as to stock up on heat before the other boys arrive. We might suggest a little coal out there, Tom.



## Franklin

Messrs. Ira Jones, Fireman; Bill Elliott, Watchman, and Clemmie Rinehart, Janitor, which aggregation comprises the fire-alarm force at Franklin Works, on the night turn, are still on the job and report that everything is under control on that shift. The other night, we are informed, Bill Elliott, as he was making his way through the gloom of the farther end of the Pattern Storage grew a few feet, in less time than it takes to tell it, on account of walking too close to a nest containing five young rabbits, which had evidently adopted the Pattern Storage as their home. When Bill got around to the Boiler Room and saw Ira, he felt much better, and now Bill is trying to perfect some kind of a feeler to attach to his feet so he wont experience a repetition of the above occurrence. Clemmie says that this incident would be a good one for Bill to write up, in detail, and submit to THE OCTAGON for publication under the heading, "My Greatest Thrill."

Although Franklin Works, from a production standpoint, is not conspicuous on the map, all employes retained here are taking advantage of the present situation by devoting their efforts towards bettering the condition of the buildings, equipment, records, etc., so that when the break finally comes,

we will be ready to start the wheels going again. There is plenty to be done, but like Rome, it will require more than a day to accomplish it.

Mr. Gay McCrady, Order Clerk, wishes to take exception to the personal news item appearing in the September issue of THE OCTAGON, which refers to him as "Miss." Mac contends that this is a very grievous error. However, as his friends and associates here have known him for some little time, they are willing to help him offer evidence to the contrary. This correction is also called to the attention of all OCTAGON readers, as it might have caused some of the single young men at the other Plants to write him requesting his picture.

The fireproof safe cabinet for the storage of the Pattern Record cards has been received and placed in the Pattern Storage Building. There is still a great deal of work to be done before Charley Richardson will be satisfied that his records are in the best possible condition and contain the information they are intended to cover. Charley has been in charge of this department for more than fifteen years, and, although the records are in good shape, there has never been an actual inventory, so he is glad of the opportunity presented, and is certainly taking advantage of it.

Talk about Old Dutch Cleanser, you should have seen Josephine Miller the afternoon the rain and wind were so strong they covered the office furniture with a fine coating of sand, which was formerly kept out in the Foundry and C. F. & A. Department. It did not take Josephine long to get out the furniture polish and give everything a shine such as is only to be seen in the mirrors of a ladies' furnishing store.



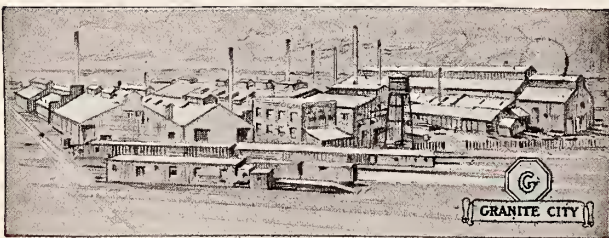
Ted Rial, 4 years' service; Chas. Richardson, 17 years; Glen Wilt, 3 years (now at Alliance); Robt. Satterwhite, and Clarence Turner, 1 year, Franklin

The employes at Franklin Works are taking this means of ascertaining the cause for Walter Anderson's silence, as we have heard very little from him since his return to the Indiana Harbor Plant. Come on, Walt, and loosen up a little and drop us a few lines about that proposed dinner with "Quail on Toast" for the "Piece de Resistance."

It is rumored very persistently that Larry Reese had a wonderful time in Chicago during the recent meeting of the Works Managers and Master Mechanics from all the A. S. F. Plants, and from our knowledge of Larry's personality, we have no hesitation in believing it. Larry says that he also enjoyed the visit to Indiana Harbor Plant, where the wheels are still moving the right way.

Our sympathy is extended to the many friends of "Barney" Devers, Pattern Storage Tender at Alliance, whose death occurred recently. Barney certainly established a record for service and performance of duty which is no doubt appreciated by his associates.

With winter almost in sight, the "Strong Arm Gang" of coal loading fame, were divided into details to fix up the roofs throughout the entire shop. Some of them were found to be in bad condition, but with Cal McMurdy and Bennie Karns on the business end of the roof paint brushes, with an occasional hand from Larry Reese, the job was soon completed, the composition roofs being given a new lease on life.



## Granite City

Mr. N. Merritt, who conducts a small store in conjunction with his daily tasks at this Works, was visited recently by night prowlers who took several boxes of cigars and several containers of cigarettes.

Mr. R. V. Warga, who formerly worked here as Patternmaker, and since has been in Cleveland, paid us a recent visit. Bob said he was surprised to see some of his old friends still here after five years. He will again start to work here soon.

Mr. George Marqua, Supply Agent, promised us a very interesting article on the Source of Materials. It is also rumored that he promised his wife to respond to the supper bell more promptly—some even go so far as to claim that he promised his wife to refrain from saying naughty words when he gets angry, but all his promises have been for naught since he purchased that second-hand car from Mr. Arthur Prout, our Master Mechanic. George declares that he would rather tinker around with the flivver than do anything else in the world.

Mr. H. Ballett has been scouring the yards in search for a hasp to apply on his locker door. Henry does not state whether said locker contains a bottle of the much wanted (?).

Mr. John Winter has returned to the North Plant as Night Superintendent of the Cleaning and Finishing Department.

Mr. H. R. McCoy, Contributing Editor of THE OCTAGON, was confined to his home last month with la grippe.

Mr. J. Evans, a Sand Blaster in the C. & F., has returned to work after suffering an attack of muscular rheumatism.

A number of our workmen were disappointed in not seeing the Centennial Parade of St. Louis, which was postponed due to the congested condition of the St. Louis streets.

Mr. W. Emmel has been promoted to the position of chief-cook-and-bottle-washer in the Wheel Shops, if we were correctly informed by Mr. W. Emmel.

Mr. J. Von Bibber showed more interest in the World's Series than all other games played this summer. Perhaps Jeff will develop into a first-class fan next season.

Mr. J. Mowry, being eliminated as an umpire in the Muny League, will become an umpire in the Hot Stove League this winter.

## SAFETY COUNCIL MEETING

On the evening of October 4th, the American Steel Foundries furnished the entertainment at the regular meeting of the Tri-City Safety Council held in Granite City Masonic Temple at 8:15 P. M.

As early as 7:30 o'clock the crowds began to arrive, and promptly at 8:15 Mr. William Anson, our genial Safety Inspector, announced the first number



# THE OCTAGON

on the programme, a musical number by the American Steel Foundries Jazz Orchestra. At its conclusion the great round of applause called for an encore and by the time they had finished scarcely a person was not keeping time to their syncopations.

The second number, a solo sung by Miss Pearl Boyer of the Main Office, was received with even greater applause. It appeared for a few moments as if Miss Boyer was going to "get away with her act" without being obliged to sing a second time, but she was finally compelled to respond to an encore.

The third number was a solo by Antonio Rodriguez, of the Foundry. By the time he had completed his excellent rendition of the Toreador song and a beautiful encore entitled, "Good-Bye Summer," the enthusiasm of the audience knew no bounds.

At this point the speaker of the evening, a representative of the Maryland Casualty Company, Baltimore, Md., was introduced. He delivered an excellent address on the subject of Accident Prevention, making a great hit with the women present when he stated that the women employed in industry were better disciples of safety than the men, for statistics show that there were less accidents in proportion to women workers than men.

Among other things he emphasized the need of teaching safety to the children prior to and during the adolescent age when their minds were easily impressed. He stated that 100% efficiency in industry would be the ultimate outcome of such teaching commenced years before in the schools.

Following this address was the feature entertainment production—a wheel rolling exhibition by Mr. Fred Jones of the Wheel Department. For this occasion a special floor had been constructed on the stage. Mr. Jones appeared rolling a 33-inch Davis Cast Steel Wheel of the type used under electric railway cars. The wheel weighed approximately 475 pounds, but from the way "Freddy" made the wheel "cut up antics," it appeared to be made of celluloid. Once it appeared that the wheel was about to get the best of Fred, for it fell to the floor with a bang, but that was only to give the audience a greater thrill, for the next instant "Freddy" had it rolling through the same antics and this time he gave it a spin that assured the audience that he was perfect master of the art of Wheel Rolling.

So far as we know, this is the first time in the history of any vaudeville performance that anyone



LEADING LIGHTS IN SAFETY COUNCIL ENTERTAINMENT

Miss Pearl Boyer Harry Mechartney  
L. Van Buskirk

Fred Jones, Rolling a Davis Wheel

R. C. Taylor Antonio Rodriguez  
Charley Dawson

has attempted to put a 475-pound cast steel car wheel through a series of antics and for that reason the writer would suggest that Freddy be billed as a headliner at our Works Council Vaudeville show—if we have one this winter.

Messrs. J. Mitas, Handyman, and W. Hagemann Patternmaker, have been added recently to our force in the Pattern Department.

Mr. Lee H. Kirkpatrick, Foreman of the Pattern Storage men, said that he believed he and his four men, L. Kiroff, T. Evanoff, G. Benedik and P. Kasparian, with a little practice, could move more heavy patterns in one day than the entire North Plant Tug-of-War team could in two, even if they are champions at pulling.

Mr. R. B. Swezey has been succeeded by Mr. J. W. Porter as Chief Inspector on Wheels. We understand Mr. Swezey is now representing an Eastern concern in St. Louis.

Mr. George Biederman, Patternmaker, has been absent on account of an automobile accident occurring recently at the East end of the McKinley Bridge. George escaped with an injured side and the tip of one finger crushed off, while his automobile suffered damages to the amount of \$200.

Mr. Ed. Tinker has become a confirmed bachelor, his wife making an extended visit in the East.

A new fire alarm has been installed throughout the Plant, replacing the old one which had seen better days.



Messrs. Lon May and Ernie Robertson, the Champ Cork Ball Players

Mr. Robert Matthews, Assistant Cost Clerk, Main Office, has returned from a vacation spent in California and intermediate points. "Bob" brought back a number of excellent photographs showing Western points of interest, among them scenes taken in San Francisco, Colorado Springs, Pikes Peak, Salt Lake, and other points.

Mr. Jim Dyer, of the Open Hearth Department, who was with us during the period of the war and up until September 12th, has entered the service of Uncle Sam in the Post Office Department. Jim was one of the most punctual employees who ever worked in the Open Hearth Department. Everyone is sorry to see him go, and wishes him success in his new position.

Mr. Henry Bach has returned to the A. S. F. after an absence of several months, during which he devoted his entire time to raising chickens at his country home. Some day "Heine" is going to bring us a picture of his Rock Island Rhodes, as he calls them.



## Hammond

Mr. Louis Boyd, Machinist, appeared at work the other morning with a big smile. When asked the reason, he replied, "She weighs nine pounds."

Mr. and Mrs. Frank Stevens entertained on October 10th in honor of their Thirtieth Wedding Anniversary. Mr. Stevens, alias "Happy," is Assistant Superintendent of our Ajax Department.

Mr. Henry Emig, Clerk in the Engineering Department, has been transferred to the Pattern Storage Department.

Emil Fandrei, Blue Print Boy, has resigned. At this writing, Alma Kreis, Clerk in the Drafting Department, has temporarily taken charge of the blue-print work along with her other duties.

Quite a number from the Simplex Works saw the Business Show at the Coliseum in Chicago this fall.



Mr. F. Timm, Works Engineer, is uncle for the first time. A nine-pound boy was born to Mr. and Mrs. J. A. Timm, of Michigan City.

We expect any day to see Mr. Loren Whitney, Superintendent Brake Department, blossom out in a shining new car. He is having an orgy of visitations from the different automobile dealers.

Mr. R. Elster, Stock Clerk in the Spring Department, has finished his Thursday night outdoor concerts, at Crown Point, Ind.

Mr. R. G. Conde, Superintendent Ajax Department, was reported attending a funeral October 10th. Lets see, the Sox won that day, 9 to 5.

Mr. M. E. Hughes, Clerk in the Spring Department, had his mother and brother from Columbus, Ohio, as recent visitors.

Mr. Barney Conrath, Inspecting Engineer, during the second week of his vacation had relatives visiting him from the West Indies.

Mr. Jeffrey E. Walker, of the Brake Beam Casting Yard, is Democratic Candidate for Councilman First Ward. As this item goes to press before the election, we cannot furnish the results of his campaign until the next issue.



Joseph Hanes, at Hammond

Mr. Dave Myers, of the Clasp Brake Department, spent his vacation around Pittsburgh. While there, he also visited the Franklin Plant.

We are glad to say that Mrs. Patterson, wife of our Blacksmith, Robert Patterson, has now recovered from her illness.

The mystery has been solved. For some days, the Strategy Board has been working on the disappearance of Mulligan's bicycle and have, at last, located it in Uncle Benny's window, the Third Ball artist in Hammond. They have also discovered Jim wearing a

new overcoat. Was it an even exchange we wonder? How about it Jim? Smiling Al, our Yard Boss, is all puffed up over his new job, having been delegated by Jim to watch his new overcoat.

Mr. Frank Richwine, Superintendent, Spring Department, and family, together with Mr. Will Marlatt, Roll Foreman, and wife, motored to Rensselaer not long ago.

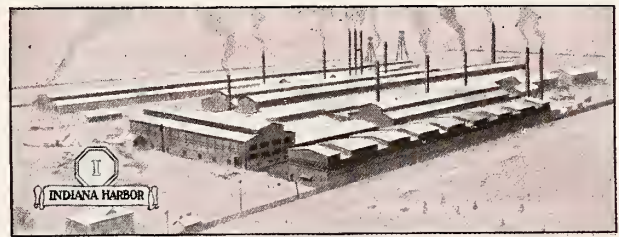
Mr. Ed. Seldke, of the Pattern Department, who spent some time at the hospital, with an attack of ptomaine poisoning, has now recovered.

Mr. Milton Pfau, of the Production Department, served part of September on jury service.

Mr. Will Spellman, Assistant Auditor, drove his Chandler car 1,400 miles during his vacation with absolutely no misfortune to the car. He and his wife motored to Cincinnati, Dayton, Richmond, Indianapolis and South Bend.

Mr. Tom Gilfillan has eliminated commuting between Chicago and Hammond, by moving to the latter location.

Mr. D. Schultz, Shipping Clerk, recently stepped out of an automobile in front of another, with no bad results, we are glad to say, other than a good rolling. We did not know that Dave needed any reducing stunts like that; better delegate Mulligan (who will try anything once) as the next candidate for a like performance.



## Indiana Harbor

Mr. F. H. Elam, Manager of the Casualty Department, delivered a very interesting talk to the employees of the Plant, during noon hour. The subject was in order for the great "No accident, no fire week" as held in Chicago during the week of October 8th to 14th.

Did any one see the picture of Miss Flynn, supported by a certain red-haired gentleman, if so, kindly keep it mum. (The Plant Editor.)

A new record was made between two employees of this Plant, and that was in the art of eating a noon-day meal. Up to the present writing all honors have been awarded to Fred Murley for his unexcelled speed with the table tools, but now we learn of Mr. J. Suttie paying the cashier before Fred said the blessing. (This occurred in a city Cafeteria.)

Bill Greene of the Order Department has discovered a new scheme to keep the customers satisfied—and Bill says by keeping promises. “Hooray for Willie!”

Mr. Marion Rumatz is now our new Discount Clerk. “Roamey” always was handy with the brush.



Left to right: C. Parn, 5 years' service; J. Walavitch, 13 years; E. Runyan, 4 years. No. 1 Core Room. Indiana Harbor

Mr. Charles Garrison, Inspector for the Keyoke Railway Equipment Company, has gained many friends since joining our “Cantripem Club.”

The Broken Kup Kafe controlled by “Dad” Voight, has increased the number of patrons, and he says the meals will make you well if you're sick and ..... 'nuff said.

Next time you happen in our Pattern Shop, give Charlie Deak the “big stare” and don't overlook his hair. (Parted in the middle.)

The team of Farish and Erkenwick are hard to beat, especially pertaining to repair work. If in doubt, try to get something for nothing! “Brother, it can't be did.”

“Muggsy,” “Walowicz” and “Swede Johnson” are having their daily workouts, until some day the man in the middle is going to count 10. Oh! Lord, spare us for that day. Amen.

Mr. Geo. R. Caskey, Special Apprentice, is now employed as draftsman, working in the Maintenance Engineer's office.

Mr. James Conlon (“Stud Plate Specialist”) is busy reclaiming good parts of the old-style match-boards, and really Jim has been hitting the pill these days.

Dick Davis made a “pinch” several days ago. The Alderman pulled in a couple of John Barley Corn's disciples who leaned against the machine Dick was riding, and after a desperate struggle the strangers were booked with a sweet little \$60.00 fine. (Some “dick” our Dick is,—What?)

Chief Shipping Clerk, Bill Evans, is having an awful time since he visited the D. D. S. and now he plays the Quaker Oats and Cream-of-What until the new ones arrive.

The “Cantripems” are still signing up new members and the latest to join their ranks is Mr. Harold Osman, Specialty Clerk. “Ozzy” brings our membership up to fourteen and the Imperial Gizzard is anxious to run the club into the twenties by January 1, 1922.

Mr. Hugh Dugan, Special Apprentice is back in the fold once again after many months of illness. “Hughie” is now serving as Casting Inspector in our large Cleaning Room. He says he is tickled to be back on the job once again.

“Willie” Winkelman, widely known in the Plant as an expert in telling “Darkey” stories, has mastered a wonderful reading entitled, “The Runaway Slave That Came Back.” Have Bill also tell you about the “Garage,” both of these will produce a chuckle from the gloom brokers.

Mr. Geo. Vart, Patternmaker, claims a black cat followed him home, thus interfering with a good hand before the train stops. Cheer up George, buy yourself a regular deck.

Bob Unks (the sausage king) is now equipped with an order blank to cover all demands for hams, bacon, sausage (any style), pigs feet and soup meat, along with the task of supervising molders.

Miss Berenice Lipner, Addressograph Clerk, recently made a tour throughout the Plant, saying farewell to the employees. She is joining the “Silent Member Club.” THE OCTAGON readers extend the best of wishes to the future Mr. and Mrs. Newmark.

Parker and Baker seem to be a hard team to whip at Hand Ball, while Murley and Maurer have given them many hard battles. It is hoped the champions will be announced in a later issue.



Our Special Apprentices, the Messrs. Dugan, Means, Van Winkle and Caskey, visited Gary Works of the Illinois Steel Company, in company with an inspection party of the Engineering students from Purdue University.

Mr. Fred Pattullo has fully recovered from an attack of Irish Warts, commonly known as "Boils."

"Theda" Boshold, formerly of our Works, paid us a visit and says the City Office fellows all call him "Thomas." (Wait 'till they see this.)

Many have heard about Hoppers. We speak of coal-hoppers, sand-hoppers, cement-hoppers and grasshoppers, and now Wallis has stepped out and made a grape-hopper for reasons unknown to the average distiller.

Mr. B. G. Hammond, of Thurlow Works, visited the Plant a few days, getting particulars of the Production Control System.

The new concrete chipping benches installed in No. One C. M. & A., have proved a great success, as all the chippers are more than anxious to work on them.

Little Helen Grace arrived at the home of Mr. and Mrs. John Finlay in October. Mr. Finlay is employed in our Time Office and his smile of "Daddy" has been prominent, while he reports the family doing well.

It is sincerely hoped that "Whop," our faithful Airedale watchdog, will receive the same kind treatment at Alliance Works that he did while in the service of the Harbor Works. His many admirers are interested in his behalf.

Extra! Extra! Joe Creech found a reasonable flat in Chicago. Lucky guy.

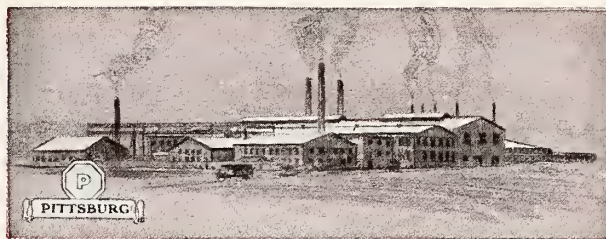
Miss Myra Stevens, our tiny stenog. has left the Company owing to the age limit as ordered from the Chicago Office. Her many friends expect to see her at her desk after January 3, 1922.



Miss Rae Evans, General Clerk,  
Payroll, 1 year's service.  
Indiana Harbor

The Messrs. Colson of Granite City, Day of East St. Louis, Prout of Granite City, Reese of Franklin, Miller of Philadelphia, Pauer of Philadelphia, Houston of Pittsburgh, Lauer of Sharon, paid the Plant a visit and ate lunch with us.

Mr. Gus Dixner, head melter of No. One Foundry Furnace, has been quite "cocky" these days, now that he boasts of the remarkable record made by Furnace No. One. At the time of this note, he had tapped 1,469 heats from the "Hot Bowl," using its original jambs and back walls, while Gus claims she is still going strong.



## Pittsburg

Mr. Howard Allison is now lamenting the fact that he only has one vacation a year. The only help we can give him is to suggest that he take something for "huntin' fever," or else take his vacation later.

Anyone knowing the whereabouts of a good fat groundhog will do a favor by notifying Elmer E., First Helper on the Open Hearth, who is sure death on these critters. Elmer likes to "hear 'em fryin' in the pan."

Mr. Hein, who is a church organist, tries to put music in the steel castings. His coupling boxes have warblers instead of wabblers.

Mr. Heiny Zimmerman, Foundry Foreman, installed a new electric horn on his flivver which makes only four, but then he might get along that way for awhile till he picks up a few more.

Joe Richards, Snap Flask Foreman, is recommending a trip to Somerset, by way of Jennerstown as the best one-day trip in these parts. The roads are fine, scenery the best, with plenty of chestnuts at the other end.

The Collins family surely had a run of tough luck lately. John broke his arm cranking the Chevrolet and Jim was drawn for jury duty.

Mr. Jack Huston, formerly of Franklin Works, is now Master Mechanic at this Works. Jack isn't a stranger here, as he was with us last winter for quite awhile and made many friends, who are naturally glad to see him get his present position.

Pittsburgh Works can boast of a couple of smooth politicians in Mr. Herpst, of the Sales Department, and Mr. Freese, Works Auditor. Herpst carried his district against Mackrell in the face of some very tough opposition from the present administration, while Freese won his fight for the position of Auditor of Bellevue with a score of about six to one. Max Leslie will be calling on them before long.

John Collins says, "There is no safe way to crank an auto." He claims he held the crank handle as specified in the rule book and got his arm broken anyway. They will have to amend the rule to allow for a "back-fire," sending the crank back for a full revolution, I guess, as that is what John claims he did.

When the girls of Pittsburgh Works start out with their frying pans and canned heat for a hike through Sharpsburg and Glenshaw, they leave their office dignity behind—and do they have a good time; well, from all accounts and pictures, we'll say they do. Their smiles never wear off.

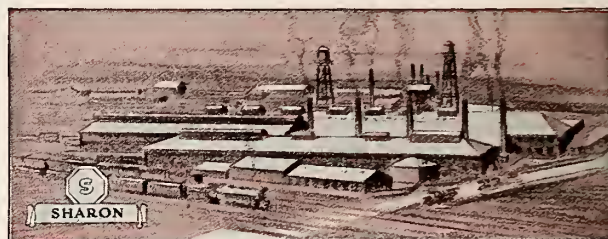
Our faithful Nimrods at this Works are cleaning the "Ole Muzzle Loaders" and talking of where they can hunt and never miss a shot. We may as well console ourselves with the fact that in spite of these predictions, there will be just as much game as before.

One girl at Pittsburgh is busy making "Christmas" gifts. We think Eileen is starting rather early, but we can see through the game and are inclined to believe the gifts will go no further than the cedar chest. Here's hoping somebody breaks the monotony at Pittsburgh Works soon.



Mike Maccalory, Chipper, 2 years' service at Pittsburgh Works

"Ham" Petty, son of our Works Manager, is playing football with Thiel College team this year. Thiel played against Carnegie Tech in Pittsburgh recently, and although "Ham" wasn't put in till the second half, his playing was one of the features. Judging from the form he displayed, he will be in there as a regular from now on. Boles and the rest of the gang sure did root for him.



## Sharon

The camp along the Shenango is closed and from all the reliable reports we get, the best thing in camp were the meals Tom Boyle cooked.

Messrs. Tom O'Brien and Henry Barnes could never drive horses on the Grand Circuit for they have a way of their own, hitching and driving. The only trouble is they require an extra man.

The speed merchants here are all claiming the championship, but Williams seems to be the one to have it according to the story he told Ryan recently.

The body of Norman Mitchell, one of the boys who paid the supreme sacrifice in the World War, arrived home recently and was buried in Oakwood Cemetery. The American Legion had charge of the services. Mr. Mitchell worked in the Electric Department at the Sharon Plant for six years and was very popular with all who knew him.

Mr. A. C. Dunlap has been planning all summer to go to St. Louis and see the World Series this year, but he has given up all hopes, same old story; the Cardinals and Browns slipped. So the boy from the Ozarks will have to go some other place.

Mr. F. V. Ferguson spent one week's vacation building a wooden chest, which very much resembled a rough-box. It made us all shudder and "Fergie" keeps us in agony by not telling us what it is to be used for—"Silence is Golden" sometimes, but not to us, this time.



Everybody at Sharon knows who talks about the moonlight nites along Lake Erie for that's where A. E. Moses spent his vacation.

We think the trick Lauer played on O'Brien's lunch basket was a cruel one. When a fellow is hungry and goes after his lunch and finds that it has been fed to the chickens, he needs a friend.

Mr. A. H. Lauer has purchased a hunting dog—we don't know just what that dog will hunt, but from the noise he makes at night, we feel sure he won't hunt any this season as dog buttons are only twenty-five cents. After that dog has a meal the neighbors can sleep.

Mr. H. A. Vogelsang was going around the plant a short time ago inquiring if anyone had seen his corn-cob pipe. Now, we all know that if Harry hasn't his "old-timer" in his mouth, he simply cannot work. However, all our excitement was for nothing, for there in his right hip pocket reposed his corn-cob pipe. Since then Harry has kept quiet.



**General Offices**

The meeting of Works Managers and Works Engineers, held in the offices of Mr. J. C. Davis, Fourth Vice President, recently, was well attended and resulted in some constructive discussions of particular interest to each Works.

Miss Caroline Alshemer, connected with the Mailing Department for over two years, resigned her position in October.

As regularly as the offices in the A. S. F. open each day for the transaction of business is the argument to be heard between Mike Signorelli, Jimmy Shields and Charles Schmidt, usually in the vicinity of Mr. Oller's desk. The subject under discussion—why, baseball, of course.

Miss Edith Stollery, who was married last spring, resigned from her position with the Company, after six years' service.

Two weddings that occurred on October 15, 1921, aroused much interest among the members of the General Offices—that in which Mr. Arthur T. O'Connor and Miss Frances J. Fitzgerald were the principals, and Mr. William G. Jarchow and Miss Ethel S. McCue.

The marriage of Mr. Jarchow and Miss McCue took place at 3 P. M. in Holy Cross Church on the South Side, in the presence of a large number of relatives and friends. Following the wedding a reception was held at the home of the bride. Mr. and Mrs. Jarchow will occupy an attractive bungalow in the Northwest section, where they will be able to utilize many of the handsome gifts presented to them by their office associates and others. Mr. Jarchow has been connected with the Accounting Department of the American Steel Foundries for three years, and Miss McCue, with the Wheel Department, practically a year and a half.

The marriage of Mr. O'Connor and Miss Fitzgerald occurred at 4 P. M. (just one hour later) in St. Mel's Church, on the West Side, at which many relatives and friends also attended. Like Mr. and Mrs. Jarchow, they were recipients of many beautiful gifts from the General Offices and elsewhere. Mr. and Mrs. O'Connor will reside at 4420 Fulton Street. While Mr. O'Connor is no longer with the Company, he is still more or less identified with it, having but recently resigned his position as Assistant Chief Clerk of the Order Department to become a member of the sales force of Radon, French & Company, with offices at 79 West Monroe Street. Miss Fitzgerald was connected with the Accounting Department exactly the same period of time Mr. O'Connor was with the A. S. F., four and a half years.

On behalf of the General Offices, THE OCTAGON extends the most sincere congratulations to both of these young couples and wishes them "individually and collectively" the best the world has to offer.

## Sure Signs of a Cold Winter

Walter McElligott, of the Casualty Department, wearing a new heavy overcoat.

Joe Cella, of the Voucher Department, storing his Maxwell.

J. R. Pounds, of the E. B. A., pricing snow shovels en route to his winter home in Beverly Hills. (Messrs. Williams and Chambers please note.)

Barry Taylor, of the Voucher Department, shaking the moth balls out of last year's ear muffs.

John Neisen, of the Purchasing Department, not shaving his neck.

The death of Mr. W. J. Kottmeier has occurred since the last issue of THE OCTAGON. Mr. Kottmeier was a brother-in-law of Mr. T. E. Moritz, Purchasing Agent of the Company, and was well-known and liked by all. For four years he had been in charge of the Pricing Desk for the Indiana Harbor and Thurlow Works, in the Accounting Department. Last February he left the office on account of his health and was never able to resume his work although he tried hard to do so. Mr. Kottmeier was sixty-five years of age and unmarried.

Mr. H. J. Lawrence, of the Casualty Department, was absent from the office a few days last month on account of illness.

Miss Marcy, Secretary to Mr. G. F. Slaughter and Mr. W. G. Wallace, is spending three months in San Francisco, Calif., this fall.

Miss Frances Hannan left the first of November to spend a month at San Antonio, Texas. She expects to make considerable use of her golf sticks while there.

Miss Eggers, of the Accounting Department, was absent from her office recently, on account of illness.

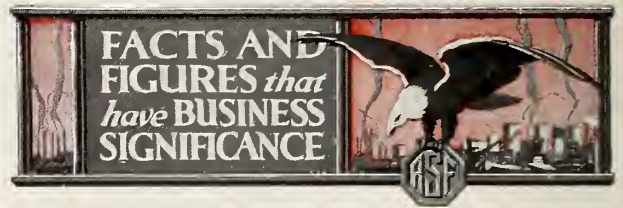
Mrs. Richard Dowd, of Utah, with her children, was in Chicago this fall. As Mrs. Dowd was formerly Secretary to Messrs. Slaughter and Wallace, her visit to the General Offices of the Company was doubly interesting.

The Casualty Department believes that Chester Works would be able to give Hammond's "fair ones" the once-over, providing Dick MacDonald allows them the use of his opera-glasses. (Long distance.)

The accident which befell Henry Piencki, sixteen year old clerk in the Accounting Department, caused much excitement at the time. It seems that the boy, in the attempt to more securely cork an ink bottle, pressed down so hard on the container that it broke at the neck, cutting his wrist severely in two places, one cut penetrating the main artery, causing profuse bleeding, which, but for the timely "first aid" rendered by Mr. Ralph James, of the Accounting Department, would have brought about his death. Since the accident, Mr. James has been proclaimed a hero and well deserves the title. He, however, modestly says he was only carrying out a few ideas obtained through his Boy Scout training some years ago. Henry Piencki was taken to St. Luke's Hospital, and after a few days' treatment was able to return to his work in the office.

The last formality connected with the closing of the baseball season on the part of the A. S. F. Baseball Team was the cleaning and storing of uniforms until the swallows northward fly.

Changes in Code Book since the last issue of THE OCTAGON are as follows: Pages 149 (dated 9-15-21), 101 (dated 9-22-21), 141, 142 and 143 (dated 9-30-21), 169, 170, 171, 172 and 173A (dated 10-4-21) and 174 (dated 10-1-21). Is your Code Book up-to-date?



Calico gets its name from Calicut, in Madras, where it was first manufactured. In 1631 the idea was brought to England, and printed calico, although an ancient Indian and Chinese art, is now one of the greatest commercial commodities of which England, Holland and the United States boast.

The first pens were goose quills, which were used by monks from the seventh to the eighteenth century. For very fine writing quills of the crow were used. It was not until 1780 that the steel pen was invented. This was the idea of Samuel Harrison, of England, and the process was something like the following: A sheet of steel was rolled in the form of a tube, cutting one end to a point and trimming it after the fashion of the quill, the seam where both edges of the tube met forming the slit of the pen. It was not until 1824 that the manufacture of pen points on a large scale was undertaken.

Flint lock guns are still being manufactured and sold in some parts of Africa and the Orient, although the percussion system, considered an improvement over the flint, was invented by Rev. Alexander J. Forsythe, in 1807. A breech-lock gun was invented by Henry IV of France, but the idea was never popular until the Civil War in the United States, when they began with muzzle loaders and ended with breech. The manufacture of guns began in America in 1816, near Utica, N. Y., with Eliphalet Remington, Jr., who had been forbidden the use of a gun by his father, and started upon the making of one for himself.

You cannot build a reputation while you are building "castles in the air."



# THE OCTAGON



## At Alliance Works

Eight teams have been organized for the Bowling League. Records are sure going to fall this year as cash prizes are being awarded for the best high score, team and single, and other cash prizes to stimulate interest among the bowlers. Other shops beware and prepare for a challenge in the near future.

## At Chester Works

Bert Blanton, No. 2 Dry Floor Foreman, has just closed a very successful season as Manager of the Trainer Fire Co. Baseball Team.

H. Willis, V. Koenig and R. Mathews will soon graduate into the Big League. They are now batting 1000 in the Minors with their overtime work.

## At Granite City Works

The first Tug-of-War was held between ten picked men of the Cleaning & Finishing Department, captained by their Foreman, H. M. Rishel, and an equal number of huskies from the Foundry, under the leadership of Lon May, Foundry Foreman. Mr. W. J. Kelly, Asst. Works Manager, was Referee and Messrs. W. Colson, Works Engineer, and C. Walcher, Superintendent of the East St. Louis Plant, were the judges. The best two out of three contests was declared the winner.

At the appointed hour fully three hundred persons had assembled. Suddenly a cheer was heard and Captain May and his ten huskies sallied forth from the Foundry. At about the same time Captain Rishel and his "husky duskies" appeared.

Exactly one minute twenty-five and two-fifths seconds after the pistol shot, timer "Pete" Stafford of

the Wheel Pouring Process Inspection Department received the signal from the judges that the tug-of-war was over for H. M. Rishel's "husky duskies" had pulled Lon May's men 4 feet 8 inches past the center line.

## Side Lights on the Tug-Of-War

It is believed that Mr. Lon May had the strongest team as far as strength is concerned, but the photographs show that there seemed to be lack of team-work in pulling; also it is generally conceded that the team lacked efficient coaching.

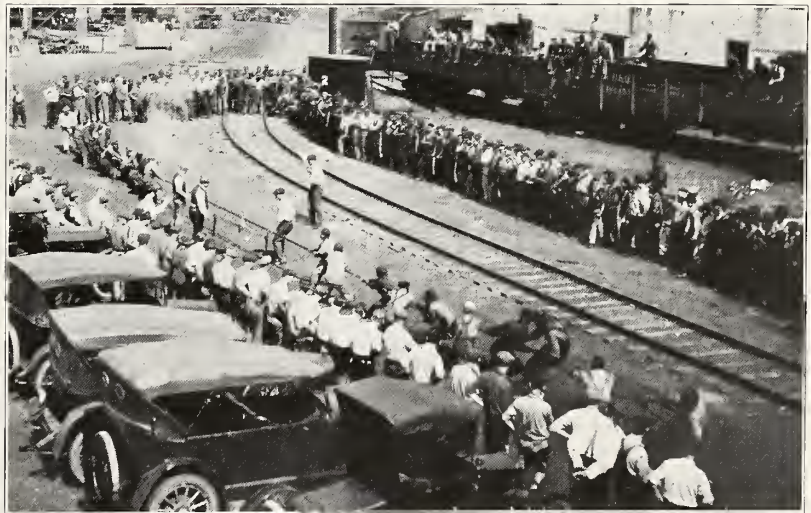
It is reported that H. M. Rishel had his men practicing pulling on a rope for an entire morning prior to the day of the contest, but this could not be confirmed. However, it is universally conceded that Rishel's men had better team-work.

Some men are of the opinion that the ground was too loose on the second day—especially at the end occupied by the members of the Foundry team. (See Lon May for further particulars.)

Mr. George Mann, Secretary of the Works Council, as well as Works Council members, deserve considerable credit for the splendid way in which this interesting contest was put over. We should have more of these contests.

The second Tug-of-War, this time between the champion North Plant team, captained by H. M. Rishel, with Ed. Pierce as trainer, and the Mechanical Department team, captained by Art Prout, with Paul Guilman, trainer, was held along 19 track at the drop. There was considerable rivalry and the Foundry team, who were defeated by the North Plant team, were on the job as spectators getting pointers for their next try out.

After starter Ches. Walcher fired the gun the North Plant team gained an advantage of about 2½ feet, and after pulling steadily for 11 minutes



Lineup: Left—Cleaning and Finishing Team, with Captain Rishel (standing). Center—Referee, W. J. Kelly, W. G. Colson, at left; Lon May and Men at right. Rear—C. Walcher (right arm raised) who has just started the contest by shooting a revolver. (Note the smoke arising from his gun.)



5 $\frac{3}{4}$  seconds, the North Plant team finally succeeded in pulling their opponents across the line.

Among the spectators were Mr. A. Walcher, Asst. Fourth Vice President, and P. J. Ward, Works Manager of E. St. Louis.



Cleaning and Finishing Department with H. M. Rishel, Captain

On Wednesday evening, September 28th, another large crowd of A. S. F. rooters witnessed the fourth series of games rolled by the American Steel Foundries team at Otto Stein's Alleys, Chouteau and Sarah Avenues, St. Louis. The match was staged against the Stein Juniors, who were defeated; our team winning two out of three games. Total scores were as follows: Lauff, 599; Broyles, 579; Rick, 475; Shellen, 523; Graf, 533. Averages were 199 $\frac{2}{3}$ , 193, 185 $\frac{1}{2}$ , 174 $\frac{1}{3}$ , 177 $\frac{2}{3}$ , respectively.

On October 1st, a team composed of three members of the A. S. F. Bowling Team was flanged by a three-man team of St. Louis. A series of six games was rolled in Wellston, Missouri. Our team defeated them in a very decisive way; the total scores of our men being as follows: Lauff, 539; Fisher, 582; Graf, 579. Averages were 189, 177 $\frac{1}{3}$  and 192 $\frac{1}{3}$ , respectively.

On Wednesday, October 5th, the fifth series of games was played against the Faust Lunch Room team, which is acknowledged to be the strongest team in the League. Our boys won two games out of three. Total scores were as follows: Lauff, 540; Broyles, 495; Rick, 564; Shellen, 495; Graf, 539; Lauman, 503; Weiss, 568; Jaby, 493; Boots, 570; Rose, 539.

On Wednesday evening, October 12th, the sixth series of games was played, we winning three straight games. To date, the team has won fourteen games and lost four, placing the A. S. F. Team in first place, leading the second team in the League by two games. Total scores were as follows: Lauff, 594; Fisher,

496; Rick, 528; Shellen, 602; Graff, 566. Averages were 198, 165 $\frac{1}{3}$ , 176, 200 $\frac{2}{3}$ , 188 $\frac{2}{3}$ , respectively.

Messrs. John Shearer and Joe Mowry were defeated in a cork-ball game by the champion two-man team, composed of Lon May, Foundry Foreman, and Ernie Robertson, Yardmaster. The score was 4-0, the game lasting three innings. They also defeated the star pitcher, Mr. A. B. Fisher, and Mr. Joe Mowry 13-1 in five innings, knocking Fisher out of the box in the second inning. Mr. Fisher also bought the cork balls.

Leonard Hartline, who caught for the Baseball Team last Season, but who has been with the Brantford, Canada, Team, in the Canadian League this Season, has returned home after a very successful Season. Harty was their first string catcher and made good, finishing up in Fourth Place in the batting averages, his average being .351. The Brantford Team was nosed out of the pennant by one game.

## At Indiana Harbor Works

In a recent tennis tournament held on our courts, the high honors were awarded to "Bill" Parker who defeated our clever Frank Evans, of the Inspection Department. Many of the employees entered the Tournament, but few finished, owing to the eliminating process worked during the sets. Mr. Evans won the championship last season and now the name of "W. H. P." will be engraved on the beautiful cup for the winner.

The Bowling season has opened and from all indications of the first night, it will be another success. The new captains and teams are:

<i>The Chasers</i>	<i>The Pickers</i>	<i>The Floggers</i>	<i>The Dubs</i>
Capt. Murley	Capt. Means	Capt. Walker	Capt. Sterling

A new soccer ball has been purchased and the field is being put in shape for the big battle held every noon hour, between Scotch, Irish and Dutch, along with a few Swedes.

Messrs. Murley, Mauer, Fires, Baker, Parker and Davis are still trying to decide the best way to win a hand ball game, without an argument. (Brothers, it can't be done.)

We are all greatly misunderstood, especially by ourselves.

Creditors have better memories than debtors.



# Company Products



Cast Steel Rack Trolley Side



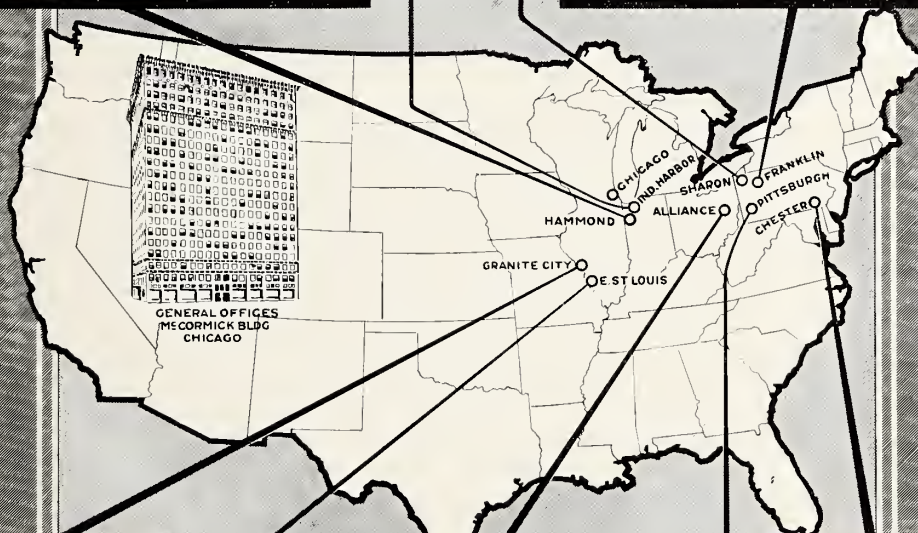
Cast Steel Vulcan Side Frame



Volute Buffer  
and Draft  
Springs as  
used on  
foreign  
freight  
equipment



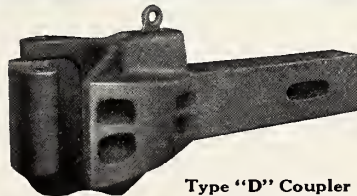
Cast Steel Engine Base



GENERAL OFFICES  
McCORMICK BLDG  
CHICAGO



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving  
Wheel Center



Cast Steel Economy Draft Arms



Cast Steel Motor Frames







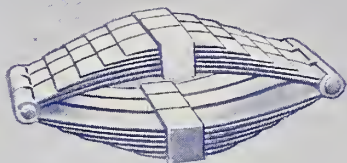
# THE OCTAGON

December, 1921





# Company Products



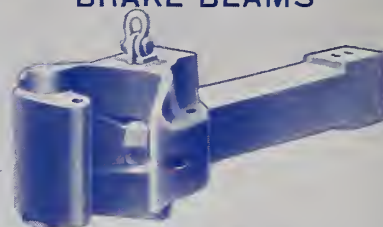
**SPRINGS**



**DAVIS  
STEEL WHEELS**



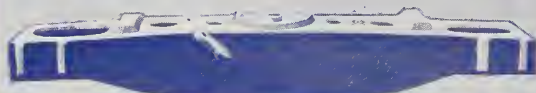
**AJAX AND HERCULES  
BRAKE BEAMS**



**SIMPLEX AND M. C. B.  
STANDARD "D" COUPLERS**



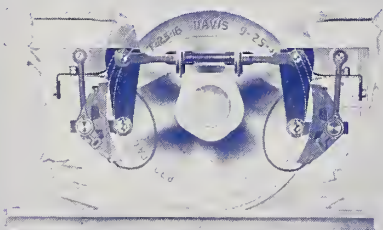
**ECONOMY CAST  
STEEL DRAFT ARMS**



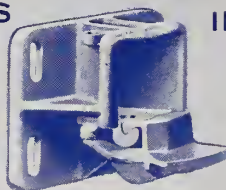
**CAST STEEL  
BODY AND TRUCK BOLSTERS**



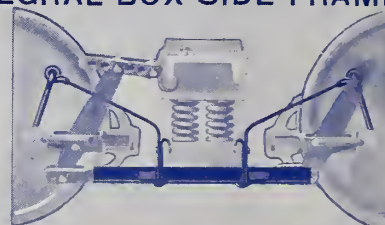
**VULCAN, ANDREWS  
AND  
INTEGRAL BOX SIDE FRAMES**



**SIMPLEX CLASP BRAKES**



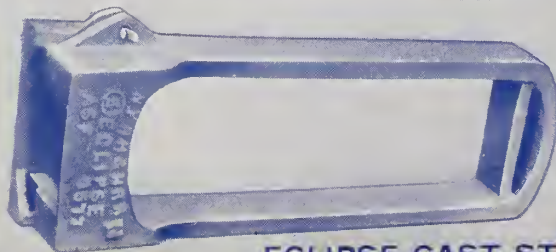
**SIMPLEX  
COUPLER POCKETS**



**ATLAS SAFETY GUARD  
WITH THIRD POINT  
SUPPORT**



**LOCOMOTIVE STEEL CASTINGS**



**ECLIPSE CAST STEEL  
COUPLER YOKES**



**A. S. F. CAST STEEL  
COUPLER YOKES**





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## DOUBLE TRUCKS

By

JOSEPH E. GRAHAM, Assistant Chief Inspector, East St. Louis Works

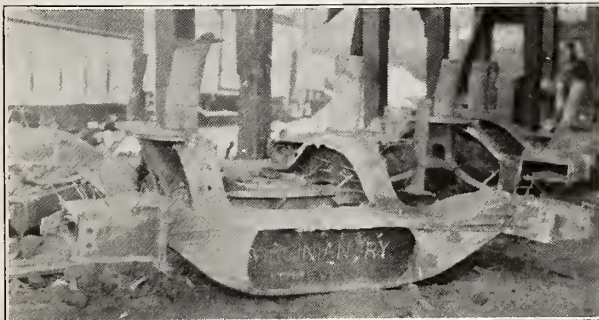
THE most vital factor in bringing our country up to its present supremacy has been the railroads. And what has been more contributive to their miraculous growth and unbelievable efficiency than the steel casting? Keeping step with every advance in railroading, answering every call for greater strength and more suitable design, necessitated by the demand for increased carrying capacity, steel castings have attained a position of pre-eminence in the construction of railroad equipment. In supplying equipment for these great arteries of commerce, the part which the

American Steel Foundries plays is one of which we may well be proud.

East St. Louis Works, during the past year, has been engaged in the production of Six Wheel Truck Bolsters, "Double Trucks," for cars of 100 tons and 120 tons capacity. The production of these castings presents very interesting problems in steel founding.

### The Pattern

Patterns from which the molds are made for these trucks are securely fastened to large iron plates. It is necessary that these plates always be kept in perfect level to insure a good draw when the mold is stripped from the pattern. An arrangement is provided making it a simple matter for the Maintenance Department to take care of adjustments in level whenever occasion requires. To the bottom of the plates are fastened four steel rails, spaced in equal distance, and running full length of the plates. These rails have bearing on four large girders, intersecting them at right angles, and the girders, in turn, find bearing at center on



Double Truck Bolster for Six Wheel Truck, 120-ton Cars

the foundation of the stripper machine and at a distance of two feet out from each side of the plate on 6 x 6-inch timbers. As may be seen, the matter of adjustment is similar to the adjustment of knife bearings on a weighing scale. The patterns are constructed of hardwood and are well protected around the edges with metal strips. Each pattern and the accompanying set of core boxes are good for one thousand castings.

## The Mold

Six castings are produced from each pattern in a nine-hour shift, requiring sixteen men on the molding floor for their production. The necessary men are six Rammers, six Molders and two Molders' Helpers, one green-sand Core-maker and his Helper.

A large flask is placed on the plate, over the pattern, and centered at each corner by means of long flask-pins, passing through holes drilled in each corner of the flask into corresponding holes in each corner of the plate. Facing-sand of good quality, in facing-boxes, is then carried to the pattern by overhead cranes and the first box of sand dumped into the flask, this being done by the Rammers, who next put the gagger-rods in place, these rods acting as anchors for the sand later when the mold is rolled over after the ramming operation is completed. When the gaggers are set, the sand is rammed solidly against the face of the pattern, with pneumatic rammers. About twelve and a half yards of sand are used in

making the mold, divided equally between the cope and the drag. The time consumed in ramming a mold is one hour and fifteen minutes.

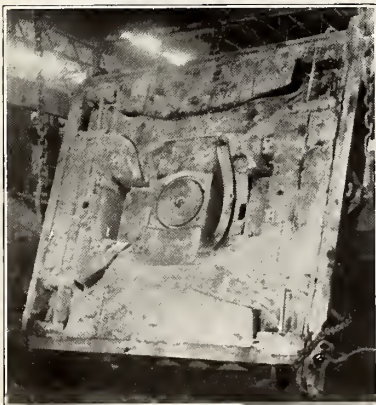
When the Rammers have finished their work, the mold



Cope for Double Truck.

and pattern are separated, by means of pneumatic vibrators, four of which are fastened to the bottom of the pattern plate. Compressed air—(see next page) is turned in the cylinders of the stripper machine, the mold slowly rises clear of the pattern, is picked up by a traveling crane, swung out from the ramming-floor, turned over and carried to the molding-floor. Two Molders finish the cope and four finish the drag. While the Molders are smoothing down any rough spots that happen to be on the mold and setting the chaplet bearing cores, the Molders' Helpers carry the dry-sand cores to the mold and put them within handy reach of the Molders. Fifty-five cores go to make up the mold. Three of them, the largest of which form the center, are made of green-sand, to permit ready contraction when the casting begins to cool. These green-sand cores are built upon iron arbors, which have been drilled to receive lifting-hooks. The lifting hooks are scewed into the arbors and the cores are built around them. When the mold is ready to receive them, the cores are picked up by a traveling crane, suspended over the mold, and then, steadied by the molders, they are lowered into place. The dry-sand cores, which, for the most part, form the outer surface of the casting, are all set by hand. While being set they are anchored firmly with nails, spool chaplets, and wire.

When all the cores are in place, they are anchored and finished, to insure against crush-



The Mold for a Double Truck.



ing or the possibility of fins. If adjustment in position of any of the cores is necessary, it is made, and the mold is gone over carefully by the molders to make certain that no loose sand might remain which would possibly result in the loss of the casting.

While the Molders are finishing the drag half of the mold, the cope, which has already been finished, is again picked up by the crane and rolled over in position for closing. The pouring cup is now placed over the down-gate and firmly bedded in. The down-gate is  $2\frac{1}{2}$  inches in diameter and feeds into a semi-circular runner-gate which feeds the casting in two sprues  $1\frac{1}{4}$  inches thick by 3 inches wide. The diameter of the down-gate is considerably larger than the diameter of the ladle-nozzle and has sufficient fall to force the metal in a steady flow to all parts of the mold.

Riser heads are then built directly over the side bearings of the casting. These two heads, 18 inches long by 6 inches diameter, are built up in steel cylinders, usually obtainable from the scrap-iron pile, and are far more economical than the wood boxes formerly used for this purpose, as they may be used again and again, indefinitely. Closing time is very interesting.

The Chainmen ride atop the cope to steady it and the Molders and Helpers take their stations around the drag. Four closing-pins are placed in the centering or match-holes and the cope is lowered very slowly. The Molder Foreman at the side, watches the face of the closing cope with the aid of a flashlight, until the parting line of the cope rests upon the parting of the drag, to see that there are no "drops" from the cope to spoil the casting. The two parts of the flask are clamped tightly together and stopped around the edges with facing-sand, as an extra precaution against "runouts." The mold is then left on the floor until pouring time.

## Cleaning and Annealing

After having been poured, the casting is left in the mold for a period of from four to six hours to cool, this period being just long enough

to prevent the casting from being twisted out of shape, while being pulled from the flask and loaded on the transfer car before going to the shake-out hammer. In the shake-out room, it is carried by crane to the hammer, which is pneumatically operated. The hammer in a short while has the casting free from cores and sand and it is then delivered to the Roughers. At this point the Defect Inspector examines the casting very carefully for serious defects and if none are discovered, the Roughers remove all lumps and fins and it passes to the chipping rails, where each fitting part is carefully gauged. It is the duty of the inspector of this operation to see that the casting is finished in a workmanlike manner and that all gauges fit perfectly. The casting is then put in the annealer where it is subjected to our standard



A Double Truck Finished.

practice heat-treatment. Then it goes to the sand blast for final cleaning.

Due to the various operations which the casting must undergo and the natural strains set up in cooling, the spring bearings usually are not in parallel, and as it is imperative that these joints be held to minute accuracy, a permanent parallel-base or gauge has been constructed. This gauge consists of two 15 inch—42 pound I Beams 8 feet, 0 inches long, and two 15 inch—33 pound channels 6 feet,  $7\frac{1}{2}$  inches long. These are firmly embedded in a foundation of concrete in the form of a square, and tied at the corners with gusset-plates. A cast steel bearing-block  $3 \times 13\frac{1}{2} \times 14$  inches, with clearance for the spring-retainers,

is riveted on each corner. The solidness of gauge makes for accuracy and periodical checking with a spirit-level insures it. The casting is brought from the sand blast and set on the parallel-gauge. The hydraulic pressman then determines the exact amount of pressing necessary and has the casting put in his machine. When he has pressed it to his liking the casting

is again tried on the parallel-gauge and viewed by the final Inspector who marks the casting accepted or sends it back for additional pressing. Usually one trip to the press is sufficient. After being accepted, the casting is weighed out and loaded on a car for transportation to the shops where it will take its place in the construction of mammoth cars.

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## ESSENTIALS OF PARLIAMENTARY PROCEDURE

By

HUGH DUGAN, Special Apprentice, Indiana Harbor Works

**I**N view of the fact that industrial plants are being operated more and more on the basis of mutual understanding, the group conference and committee have become of increasing importance as factors in the exchange of ideas, the gathering of information, and the distribution of instructions regarding operations. It is consequently desirable that these conferences or meetings proceed without waste of time, with no unnecessary discussion; in other words, that the meetings be conducted efficiently. This calls for a certain amount of order and decorum during the meeting, whereby the business at hand can be sorted out and finished according to its importance.

In filling the requirement for a definite order of procedure, the industrial conference, like other deliberative assemblies, has turned to Parliament and Congress for its rules. The rules of procedure in the American Congress follow closely those of the British Parliament which had its beginning in Anglo Saxon times. The regulations and precedents, as laid down by these legislative bodies, having been time-tested and tried through many generations, with alterations here and there to meet special circumstances, are found adequate to the ordinary needs of deliberative bodies. Debating societies, literary and political organizations,

as well as industrial meetings throughout the country, find the same rules applicable. So, in the simplest terms, Parliamentary procedure merely signifies an "order of business" for all sorts of conferences, whether small or large. When followed, this universal order of business, without confusion or delay, makes of the meeting a clearing house for ideas.

### Formation and Character of Assembly

The first step in the procedure is necessarily the formation of the meeting, conference, or organization—whatever it happens to be. In this formation organizations divide themselves naturally into two classes: (1) those of a temporary character; (2) those which are to be permanent.

In forming any assembly it is first necessary for some one to call together those persons who have a common interest in the purpose for which the organization is to be formed. When these persons are assembled the first business necessary is to organize by providing officers so that the business to follow can be conducted. If this initial meeting happens to be called to decide some unusual question or situation—say, the citizens of a town called together for some reason of passing importance—the one calling the meeting would conduct the business,



and the object being accomplished, would dissolve the assembly. This would be termed a temporary organization.

Where the organization deals with questions or problems that are constantly recurring, the organization meets at definite or optional intervals and is known as a permanent organization. Although procedure of business is practically identical in the temporary and permanent organizations, we will consider only the latter, it being the more customary type.

## Election of Chairman and Officers

Where the permanent organization is a complete unit in itself—that is, where it is not a subdivision of some larger organization, and no chairman has been appointed for it, the first business at hand, at the first meeting, is the election of a permanent chairman. This is accomplished through the medium of a temporary chairman, who calls for nominations. Some member will then make known his choice by making a motion that such and such a member be nominated for the chairmanship. The motion may be seconded, though in this case a second is not necessary. After every member has had an opportunity of making known his choice a motion to close the nominations is in order. When the nominations are closed a vote is taken, upon the result of which the permanent chairman is known.

When the chairman has been selected he proceeds to complete the organization in whatever way necessary. This generally includes the election of other officers, though one, a secretary, is often sufficient, and in some instances the adoption of a constitution or by-laws. The chairman has the power of recognition in deciding who has the floor to speak; he is responsible for order, and acts as mediator throughout the entire proceeding.

## Conduct of Business

Assuming that the organization is properly formed, the next consideration is the actual conduct of business. According to the ac-

cepted procedure we have to consider under this heading:

1. How business is introduced to the assembly.
2. The necessary routine which precedes discussion or debate on any subject brought up.
3. How members should obtain the floor in order to present their views.
4. Motions and resolutions—how and when they are made.
5. The seconding of those motions.
6. Stating the question under consideration.
7. Debate on the question stated.
8. Putting the question to be voted on and announcing the vote.
9. The proper motions to use to accomplish certain objects.

1. After the organization has been formed business is introduced by the resolution or motion of some member, but the chairman may bring up a question without waiting for a motion.

## Motions and Seconding of Motions

2. Now, before this subject which has been brought up can be discussed—that is, before the *immediately pending question* is open to debate—it is first necessary that the question be placed in the affirmative or negative by some member who has obtained the floor. Next the motion (with certain exceptions) is seconded by another member, and third, the question is *stated* by the chair. The chair states the question in the same words in which it was presented so that the assembly will know exactly what is before it for consideration. Before the chair states the question the motion may be modified. The one who seconded the motion, however, may withdraw his second if he does not approve of the modification. Assuming that the motion is acceptable as stated, the question is open for general debate.

3. Before a member may address the assembly he must first *obtain the floor*. This formality is to prevent interruptions and to let the others know who the speaker is to be. A member obtains the floor by indicating his intention to the chairman, who will recognize him, and the member then goes on with what he has to say.

4. As regards motions or resolutions; in general a motion is defined as “a proposal that

the assembly take certain action, or that it express itself as holding certain views." A motion is made by a member first obtaining the floor and then saying, "I move the adoption of the following resolution." As a rule, no member can make two motions at a time, and some motions take precedence over others.

5. Concerning the seconding of motions, with certain exceptions, every motion is seconded. The purpose of the second is to prevent time being consumed in considering a question which only one person favors. It might be said that only those motions which infer debate or discussion should be seconded. For less important motions a second is not necessary.

6. When a motion has been made and seconded it is then the duty of the chair to state the question as presented. The motion is then before the assembly for discussion.

7. In regard to debate, the discussion is limited to the immediately pending question or motion, and with a few exceptions, all motions are debatable. In order to give every one an opportunity of being heard, debate is limited in time for each member. The discussion is allowed to run to its natural end, unless, of course, it is unfinished within a reasonable time, when it becomes necessary to postpone it.

8. When the debate appears to have closed, the next step is to take a vote on the question. This is done by the chairman *putting the question*. He repeats the question as it was presented in its original form and then calls for the vote; first, the affirmative, then the negative vote.

In announcing the result of the vote the chairman states: first, whether the motion is carried or lost; second, the bearing the result will have, if any, on the future transactions of the organization; and third, the next business at hand.

9. In considering the motions to use in accomplishing certain objects, it is understood that the original or main motion, on which the principal argument is held, may be on any subject which a member thinks of sufficient im-

portance to introduce, and, further, that there may be more than one main motion during a single meeting. The motions we are now to consider refer to modification, reconsideration or postponement of the main issue. They are sometimes called the secondary motions, they being secondary to the main motion.

The original motion may be modified by

(a) A motion to *amend* it by inserting or striking out certain words or paragraphs.

(b) A motion to *commit*—to refer the question to a committee for settlement.

(c) A motion to *postpone* the question to some future date.

(d) A motion *objecting to the consideration* of the main question, or by a motion to *withdraw* the main question.

## Minutes

The secretary takes notes on the entire proceeding and these notes form what are known as the minutes of the meeting. The minutes stand as a permanent history of the transactions and may be referred to at any future date.

On the initiative of the chairman a motion is in order to adjourn, and by vote the meeting is brought to an end.

The general rules of Parliamentary procedure, though applicable to all deliberative assemblies, are not strictly inviolable, especially in the case of the less formal gatherings. To a certain extent the laws are altered to meet local requirements.

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As the ancients said: "Things that are difficult to create are equally difficult to destroy."

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That which is worthy to be may well absorb the entire energies of him who is responsible for its existence.

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Censure, after all, is simply a tax imposed upon you by the public for being "imminent."

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"Easy transportation for men and things, from place to place, makes a nation strong and great. Foundries products help to bring this about.





## Stories of Santa Claus Clothed in the Garb of Tradition

### St. Nicholas

**T**HE incident in the life of St. Nicholas through which it is said he earned his title of Patron Saint of young girls occurred in this wise. In the town of Myra, Asia Minor, there lived a poor merchant, with three undowered daughters. Now, in those days, the fate of an undowered girl was anything but desirable, so, in the effort to save these maidens, St. Nicholas stole to their window one night and threw in a purse of gold; the next night he repeated his gift, and still, the next. Those three gold purses, transfigured into three golden apples, have appeared in nearly every representation of St. Nicholas. Also it is said that that familiar sign placed over the pawnbroker's entrance likewise originated.

But St. Nicholas was also a Patron of Sailors. In the harbor of Myra he was

frequently seen mixing with the seafaring folk. It is said that a merchantman, en route from Egypt, became caught in a gale off the coast of Cyprus. So high were the waves that even the steersman was driven away. Then came a mysterious, white-bearded old man to the helm and steered them to a place of safety. When the storm subsided, the man disappeared. Reaching Myra, the sailors sought the church, there to offer thanks for their deliverance. To their surprise they seemed to recognize in the benign features of Bishop Nicholas their deliverer. After the death of St. Nicholas, sailors from the old sea town of Bari, Italy, went to Lycia, where he had been buried, carried his bones to the shores of the Adriatic, and placed them within a splendid crypt, beneath a church, where they still lie.

### The Three Wise Men

**T**HE first Christian origin of the bringing of gifts to children at Christmas time was through the celebration by the Magi or "Three Wise Men," at the end of their journey to Bethlehem, whither they had gone at the suggestion of a sign appearing in the heavens.

Three Kings they were, Melchior, an old man with flowing beard, to this day the physical personification of Santa Claus; Caspar, a fair youth, and Baltasar, a negro. Also have they been designated as Shem, Ham and Japheth.

The story goes that while gathered on a mountain there appeared before them a vision—a star, in the likeness of a little child, bearing on its forehead the sign of a cross, and it spoke, bidding them go hastily to Judea and there find the King they were seeking, the child born of a virgin. This meant a journey of one thousand miles.

But they went, taking with them their splendid retinue of turbaned slaves, their silks, embroideries, cloth of gold and caskets of jewels, gifts of gold, frankincense and myrrh, which they offered at the Shrine of the Infant Christ—gold for the King that was to be, frankincense for the Priest, and myrrh for "the Victim who was to win a throne with his own blood."

Through warning in a dream, as portentous as their first vision, these men returned to their own country by a different way. No one knew what became of them. Tradition says their bones were collected by St. Helena, and that after many removals finally found a resting place beneath the famous Cathedral at Cologne, on the River Rhine. In the blazonry at Cologne, their three crowns are still pointed out, and in a sumptuous shrine, are shown their skulls set with gems



## What Every Foundry Man Ought to Know

Contribution by  
F. W. TRITT, Alliance

### THE PREPARATION, PROPER USE AND CARE OF SAND MIXTURES FOR DRAW BAR CASTINGS

The selection of the sand that gives the best results is of the utmost importance. After experimenting both in Laboratory and Foundry, we have found that Portage and Bedford sands are best suited to our needs. Portage is an open sand and runs about 98% in silica. Bedford is a close sand and runs about 95% in silica and the grain is very uniform. The addition of pure silica flour, in our various mixes, gives us a very refractory mix, which is distinctly seen as a thin film of sand on castings before cleaning and leaves a clean, smooth surface, without scabs or porosity.

We use two facings and heap-sand for backing up purposes. The facings will be designated as Nos. 1 and 3. A No. 2 was formerly used but is now discontinued. We temper our facings and heap-sands to a moisture content of 4% to make them all uniform. Our No. 1 facing is made as follows:—

2 wheelbarrows (215 lbs. each) Portage Sand  
2 wheelbarrows (215 lbs. each) Bedford Sand  
2 gals. Ground Clay  
2 gals. Silica Flour  
1 gal. Dextrine

These materials are placed in the mill in rotation, as given above, and put in just as quickly as possible, tempered and milled about ten minutes to insure a thorough mixing. (Will just state here that in all our mixes we give a stated amount of clay that we

have adopted as standard, which we change, as necessary, to get the proper bond by increasing or diminishing, mostly diminishing.)

No. 1 facing is taken from the mill and placed in wooden boxes holding three mills; these boxes are 68 inches long, 36 inches wide and 30 inches deep, inside measurements. On top, inside, we have nailed sacks that are thrown back while filling and then put over facing and sacks sprinkled with water to keep the facing in good condition. If facing is to be kept for several days it is covered (on top of sacks) with about two inches of heap-sand and moistened about once each day. This will keep it in perfect condition. Judgment must be used as to the amount of water sprinkled on; too much will wash all the bond to bottom of box. Boxes are distributed to floor with cranes. No. 1 facing mill runs day time only, and enough is made during this time for the 24 hour period.

Our No. 3 facing is made as follows:—

3 shovels (64½ lbs.) Portage Sand  
7 wheelbarrows (215 lbs. each) Heap-sand  
2 gallons clay

These ingredients are all put in a hopper, elevated, discharged into a mixer and mixed for five minutes, and from mixer to mill and milled about seven minutes, dropped through an opening (in pan of mill) onto a belt with buckets. These empty into a hopper, under which runs the short conveyor-belt. This elevates it about 20 feet and empties into another hopper under which the long conveyor-belt runs, which carries it to the floors (14 in all). We have a man in charge of this belt day and night who watches all the bins and keeps them supplied. Each bin has a scraper on each end which this man lowers on the belt when facing is needed. The bins are made with three compartments—the middle for heap, the two end ones for No. 3 facing. This facing is tempered to 4%. The heap-sand is elevated to large belts that run under the No. 3 facing belt and is discharged same way. This sand is tempered to 4% when elevated. These systems are run as two separate units—one in each end of the Foundry, and require two men to operate each system.

The Core Room mixes are as follows:—

No. 1—Draw Bar Mix:—  
6 wheelbarrows old Sand (reclaimed)  
1 wheelbarrow Bedford Sand  
1 wheelbarrow Portage Sand  
5 gals. Pitch  
2 gals. Clay  
½ gal. Dextrine  
No. 2—Pivot Pin Core Sand:  
2 shovels Portage Sand  
28 shovels Bedford Sand  
7 shovels Silica Flour



- 1 gal. Dextrine
- 3 qts. Boiled Linseed Oil
- No. 3—*Small Pin Core Mix*:
  - 2 wheelbarrows old Sand
  - 6 wheelbarrows Bedford Sand
  - 5 gals. Clay
  - 2 gals. Silica Flour
  - 10 gals. Pitch
  - 1 gal. Dextrine
- No. 4—*Runner Cup Mix*:
  - 6 wheelbarrows old Sand (broken cores, etc.)
  - 2 wheelbarrows Bedford Sand
  - 2½ gals. Pitch
  - 2 gals. Clay
  - 1 gal. Dextrine

The above are the standard mixes covering all cores for draw bars. The operation of this mill is same as No. 3 facing mill, excepting the conveyor system. The bucket belt from mill dumps mixes into steel buckets and same are distributed by cranes. The men who operate the different mills and conveyors are checked on every mill made. Under the present system, if a single milling is not made rightly, it is caught and the necessary precaution taken. During both day and night turns the temper is taken to show moisture content and it rarely varies over three-tenths of 1%.

The core room mixes get the same attention and tests.

The draw bar (No.1) mix is tested both day and night for uniformity. Samples of mix are taken to the Laboratory and a tensile test made as follows: We have a briquette mould one inch in depth and one inch in width in center; we fill the mould and put about same amount of mix on top and use a 31 pound round piece of steel (the end of a journal bearing) and roll it over five times, smooth off with a spatula, put on a steel plate (5 are made each test), place in an oven, bake for one and one-half hours at 400 degrees F., take out, allow to cool (put in a dry place) and then test. The testing is made as follows: We have a frame made with an upright piece about two feet high and an arm on top, with a hook on one end and a pattern, just like the half of the briquette, on the other, and the other half of briquette pattern is fastened on bottom board just under one above. The briquette is placed in these two halves so there is a pull on one square inch in center; on the other or hook-end we place a bucket and pour shot into it until briquette breaks, weigh the shot for the tensile pull. The facings and heap-sands are also dried in an oven for one and one-half hours, 400 degrees F., to obtain moisture content.

A cup or medal or other trophy is not the real prize the victor receives; the *real* prize, the real reward, is the satisfaction derived from superior, worthy achievement.



The first message on the Atlantic cable was transmitted in 1858, being one from Queen Victoria to President Buchanan. The first successful message sent on the cable completed in 1866 was the announcement of the Treaty of Peace between Prussia and Austria.

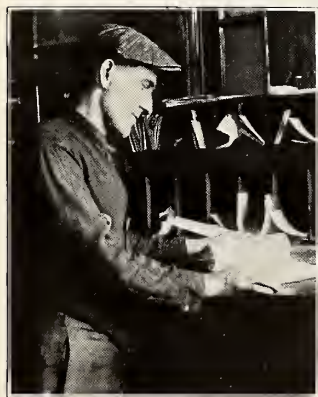
In times past severe cold spells have been experienced throughout Europe. During the year 401 the Black Sea was entirely frozen over; in 452 the Danube was blocked, permitting an army to pass over it; during the Christmas Holidays in the year 642, the Dardanelles was completely icebound and snow lay in drifts to a height of 100 feet. In the year 1233 Italy's river courses were blocked with ice, and, at the same time, the River Rhine was un-navigable.

England, was the first country in which tin was mined. History records the fact that Phoenicians traded with England for this mineral as early as 1100 B. C. In 1240 it was discovered in Germany; in 1640, Northern Africa and the Barbary States; in 1740, India; in 1792, New Spain. Valuable mines now exist in the Malay Peninsula, Peru, New South Wales and Australia, while the States of Missouri, California, and the Dakotas possess mines, though not in quantities to tempt the capitalist.

The size of Ireland is approximately that of Maine. Said to have been colonized by the Phoenicians about 2000 years before the beginning of the Christian era, it finally resolved itself into five kingdoms, Ulster, Leinster, Meath, Connaught and Munster, with numerous petty principalities. Belfast, the seat of the Irish linen industry, also possesses the largest tobacco factory and whiskey distillery in the world, besides great shipbuilding interests. The origin of the color that represents the Irish nation is unique: When the Ulster Orangemen joined the Irish Nationalists in 1798, calling themselves the "United Irishmen," they decided to blend the blue of the Nationalists with the orange of the Ulsterites, producing a green flag as the emblem of unity.

## WHO'S IN THE AMERICAN STEEL WHO THE FOUNDRIES

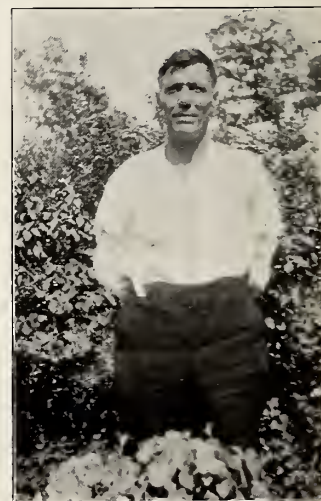
Mr. B. K. Karns, Payroll Clerk at Franklin Works, although young in years is one of the oldest members at that Works in point of service. Joining the American Steel Foundries organization more than eleven years ago, for the first three years he acted as Heat Weigher and Furnace Clerk. He was then transferred to the Cleaning and Finishing Department as Clerk, remaining in that position for another three years. In 1915, "Bennie," as he is familiarly known, received another promotion, this time to the position of Clerk, in which capacity he is still serving. On account of extensive shop experience, Mr. Karns is a valuable man to the Accounting Department, especially so in the matter of coaching new employes as to methods of handling Shop departmental records. He is also conversant with methods of handling Miscellaneous Stores in the Storeroom. Taking Pattern Inventories is another of his accomplishments; in fact, it would be difficult to mention what he cannot do in connection with the Accounting end at Franklin Works. "Bennie" is careful, exact and conscientious; in short, an ideal man for the job.



Mr. Walter Johnson, of the Simplex Works, sixteen years ago came to the American Steel Foundries from the Illinois Steel Company, where he had served as Steeplejack. His first position at Hammond was in the Coil Department, where he was assigned the job of testing springs, after which

he was transferred to the Elliptic Department as Stamper. Later he became Inspector. Two and a half years ago he rose to the position of Foreman of the fitting, banding, testing and inspection of elliptic springs. Walter possesses a wonderfully even disposition and is always on the job. Outside of working hours, he can be found at his home in South Chicago, where he resides with his wife and five children.

Mr. Fred Taski, employed at the Indiana Harbor Works of the American Steel Foundries, as Night Superintendent, is one of the old-timers, having been connected with the Company for thirty years. He started back, in 1891, with the then-called Sargent Company, located at 59th Street, Chicago, Illinois, and has served faithfully until the present time. (Reminiscing in his case, we might explain that it was with the Sargent Company that "Wingy" got his Shop nickname). In his employment, Mr. Taski has proved himself quite versatile, having worked as Watchman, and Crane Foreman, his remarkable skill developed in the handling of Cranes having been the subject of much favorable comment by men in the Shop. Supervising the Shop, nights, has made him a host of friends, and he, in turn, is a friend to all. With the athletic end of Indiana Harbor Works, he is equally as well identified, his favorite pastimes being a game of rummy or bowling; indeed, he often surprises the boys with his splendid scores in the Bowling League. Mr. Taski is married and lives in Chicago.



The wealth of a nation is measured by the will of the people to work.

Life cannot subsist in society but by mutual concessions.

The highest known form of friendship is that of a dog to his master.

It was said of Stradivarius that he would rather destroy a violin than put his name on one that was not worthy of his best efforts.

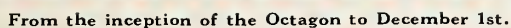




No. 24

All copy, if for current issue, must be in by the eighth of each month, and delivery of magazine will be made about the fifteenth of the following month.

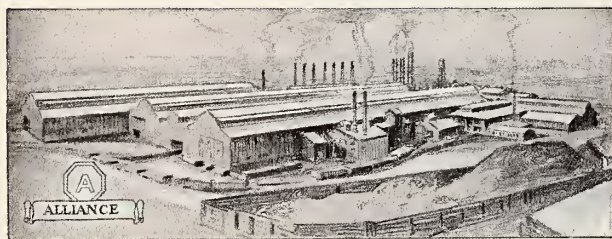
J. E. RYAN . . . . .	Alliance
GORDON MACDONALD . . . . .	Chester
J. E. TURNER . . . . .	East St. Louis
H. L. LEYDA . . . . .	Franklin
H. R. MCCOY . . . . .	Granite City
J. MCCLUSKEY . . . . .	Hammond
L. F. ENGLETON . . . . .	Indiana Harbor
C. F. GANNON . . . . .	Pittsburgh
A. E. MOSES . . . . .	Sharon
J. E. WRIGHT . . . . .	General Offices



Christmas comes but once a year! "The Octagon" wishes you a Merry one!



# PERSONAL NEWS ITEMS *of the* WORKS AND DEPARTMENTS



## Alliance

Bobby Hole and Howard Pearsol attended the American Legion Convention at Kansas City.

One of our salaried friends has recently returned from a trip and states he took unto himself a wife. (To date we have seen no candy or cigars to verify the latter).

At the recent masquerade dance held by the Goomf Club, several amusing incidents occurred, but none ahead of the following: Sloan, our Yard Clerk, was all masked up in his glory and having a large evening when his side pal, Stewart, introduced him to a well-dressed, fine-appearing masked lady. Sloan at once started to work and in no time had arranged to take the lady home. At 10 P. M., when all faces were uncovered, Sloan received the shock of his life, for instead of the beautiful lady he had pictured in his mind, appeared none other than our Foundry Clerk, Walter Robertson! Mr. Sloan went around with a very heavy heart the remainder of the evening.

Merry Christmas and Happy New Year to all Alliance Works Members.

Mr. Dean McCrea, Addressograph Operator, can be seen these days hanging around soft drink parlors. What is the attraction, Dean?

Mr. A. Draper, Asst. C. & F. Foreman, recently had the misfortune to fall off a pile of Couplers and break his foot. He is getting along nicely.

Messrs. C. B. Alexander, J. E. Wagner, "Slick" Packer and "Russ." Reese recently travelled to Washington, Pa., to see Ken. Alexander, former employe, now playing football with Carnegie Tech., perform against Wash. & Jeff. U. They reported Ken. as in fine form.

Miss Burnett Rosenberg, our nurse, who has been suffering from poisoning and auto-intoxication, is very much improved and at this writing has been removed to her home. We wish for her a speedy recovery.

Mr. R. H. Hopkins, President of the Alliance Brass and Bronze Co., gave a talk to the Foremen of the local Works which was appreciated very much.

The girls around the office are all busy making a lot of fancy things. We wonder who the lucky men are going to be this Christmas.

Mr. Lester Freed, Production Clerk, has been ill with pneumonia. We all wish him a speedy recovery.

LOST. One fifteen gallon keg. Will finder please return to C. L. Lechler?



Eddie Casey, former Harvard star, now coach of Mt. Union, called on our Employment Agent to assist him in coaching Mount. Considerable improvement is noticeable in the team.

Mr. Wm. Geddert, C. & F. Foreman, is a strong rooter for Mt. Union College. Mount's football team has, so far, tied one team in the Ohio Conference. Bill hasn't much to say about Mount this year, but just wait until next year.

Now is the time to hear the various men give an alibi of why they did not bowl 200 in such and such a game. You know, boys, you will get a split once in a while.

We have carefully noted the averages that the Granite City Bowling Team has made and wish to take this means of congratulating them upon their fine record.

Mr. Emile Lorious, Scale Tester, has four tame frogs in the Scale pit. Every time he goes down for inspection they come hopping out. So well acquainted have they become that he can feed them bread crumbs from his hand.

Alliance Works lays claim to the champion rum and poker player. For further information write Russ Reese.

During the World War while in HOLLAND, hunting the KEYSOR in a TEMPLE, I ran across a BANKERD and fell in a HOLE, filled with watermelon RYAN, and was taken to a hospital WARD made of MAPLE WOOD, which was WHITE. I saw a MANFULL of BREW made from BIERY and I thought I would WILT as I was not WEISS being a MINOR but was soon FREED from the hospital and went POLEN in a pond, within a nice GROVE, with an ORR but failed to see a sign "No rowing allowed," and was caught and now I FOSTER a TANNER hide.



M. A. White, 16 years' service; J. C. Mather, 6 years; B. A. Judge, 8 years; W. J. Geddert, General Foreman, 15 years; J. R. Hoffman, 12 years; A. E. Draper, 16 years, and G. R. Polen, 14 years C. & M. Dept. Foremen at Alliance



Batt Kelleher, 13 years' service at Alliance Works

The Granite Citians at Alliance Works would like to inquire as to whether the picture entitled "The Champ Cork Ball Players" are really Messrs. Ernie Robertson and Lon May? We had no trouble in recognizing Ernie but are not so certain of Lon as he forgot to have his pack of "Day and Night" in his mouth. Please inform us correctly.

The hunting season opened in Alliance recently and several of the boys went out to show how good they were at hitting (?) rabbits. Messrs. Ford Manfull and Perry John carried off first honors, bagging sixteen rabbits and two coons. Joe Karns got the boobie prize by his catching on his boots and hitting the East side of one of the men with him. Luckily he was not hurt.

John Minor, our illustrious janitor, recently partook of a fine coon dinner. John has been smiling and smacking his lips ever since. Come on, some of you hunters.

Messrs. Marshall Post, A. H. Lauer, and T. T. Davies, of Sharon were recent visitors here.

Messrs. Chas. Shaffer and J. E. Wagner recently added two brand new Winchester repeating shot guns to their equipment and at this writing are ready for big game. as long as it is no larger than a rabbit.

Mr. J. E. Wagner, Works Auditor, went hunting with Mr. Chas. Shaffer, or rather to help break in a new dog, and came back all scratched up. The boys claim that a rabbit jumped up on his hand and scratched him. Of course this could not be so with such an experienced man as Joe.

We beg to advise Indiana Harbor Works that their prize dog, "Whop" is being taken well care of, but has developed a lazy streak. We would be very pleased if they would inform us as to how long this said dog's Pedigree is for back-door setting.





From left to right: Al. Getty, 12 years' service; Chas. McCally, 1 year; and E. Skelton, 39 years. Indiana Harbor Works.



Harvey Sell, Drop Operator, three years' service at Chester.



William Schlensker, Motor Truck and Drop Foreman, six years' service, at East St. Louis Works.



Elmer Heiser, 14 years' service, and A. C. Reynolds, 2 years' service, Burners at Alliance.



W. Frede, Blacksmith, 14 years' service; J. Micholz, Helper, 1 year; J. Hagerdish, Blacksmith, 6 years; J. Nyers, Blacksmith, 7 years; J. Wadlow, Helper, 2 years, and J. Gallaher, Helper, 17 years. Machine Shop, Granite City Works.



Edward Doyle, Process Inspector, three years' service. Granite City.





David Garvey, Chainman, Steam Hammer, eight years' service at Chester.



Southeast view of Franklin Works.



Henry James, Pattern Inspector, eight years' service. Alliance.



Burt Murley, Craneman, 10 years' service at Indiana Harbor Works.

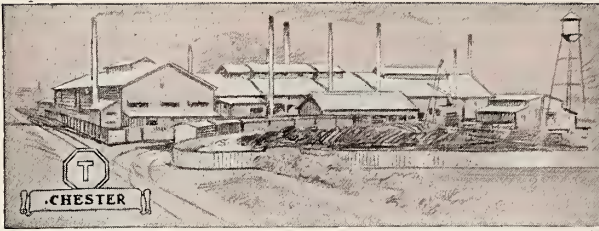


Mike Rapera, Fireman, 23 years' service at Pittsburgh Works.



E. Holzworth, Adding Machine Operator, 4 years' service; G. Engleman, Storekeeper, 10 years; H. Sturm, Safety Inspector, 10 years; T. Gilfillan, Asst. Storekeeper, 1 year, and J. Larne, Invoice Clerk, 1 year. Hammond.





## Chester

The sympathy of the employes of Thurlow Works is extended to Mr. Harry Hurd on the recent death of his baby girl. Mrs. Hurd, who has also been very seriously ill, is improving slowly and the best wishes are extended to Harry and his wife for her speedy recovery.

Mr. Howard Kelly, Electrician, has bought himself a new Saxon Roadster and claims that as an automobile his car would make a good Sand Slinger.

Mr. Howard Lofland, Truck Driver, is again on the job after being employed for several months as chauffeur for General Price. Howard was also the General's chauffeur, while serving with the A. E. F. in France, during the World War.

Chief Gentry has again taken to wandering over the country; last time the Chief's fancy ran to Maryland.

Mr. Wm. Foster, Open Hearth Foreman, was down in Maryland recently for a day's ducking. We haven't seen any ducks. No, we didn't say Bill didn't get any, but let's talk about Volley Ball. Some one remarked the other day that if Bill wasn't a better gunner than he was a Volley Ball Player, the ducks were as safe as if they were in their mother's arms.



Miss Laura U. Dougherty,  
Cost Clerk, 3 years' service,  
Chester

Mr. C. G. Morgan, Safety Inspector, and wife, were third in the Grand March of the Third Annual Ball of the Wilson Club. "Clem" was all dolled up in "Soup to Nuts" while Mrs. Morgan wore a dress of tangerine-colored silk, carrying a bouquet of tangerine colored crysanthemums.

Mr. John Peters is again on his old job in the Foundry Office.

"Pard" Larkin, formerly Assistant Yard Foreman and First Baseman on the Baseball Team, is now Coach at the Chester High School. He graduated from Swarthmore College last year and is now taking a post-graduate course in Law at the University of Pennsylvania. Pard has turned out one of the best foot ball teams that Chester High has had for many years and one of the fastest elevens in scholastic ranks in this vicinity, for which he deserves great credit.

Mr. Ellis Baker, Works Council Representative from the Foundry, has returned to work after serious trouble with an abscessed ear.

Mr. Frank Logeman, who formerly worked in green sand at this Plant, has returned, and is finishing the molds made on the Sand Slinger.

Mr. Wm. Kennard, Sand Slinger Operator, after being off ten days is again on the job.

Mr. John Grace, Charger Operator, is another discoverer of the fact that Fords will not run without gas. Jack went out in the country, ran out of gas and had to push Henry about four miles (this is his tale) to a gas station. The older models will run on their reputation, John, but not the 1776 Model.

Dick MacDonald, Dr. Gray and Mrs. Gurnsey Gray, spent the first day of the gunning season hunting for rabbits and were successful in bagging nine bunnies and one pheasant. (Dick shot a rabbit.)

Mr. John Farmer, No. 1 C. & M. Foreman, has returned from Easton, Pa., in fine fettle. He certainly has improved in appearance 100%.

J. C. Bergan, Production Engineer, has given up his home in Philadelphia and moved to Chester.



James J. Ewing, Superintendent,  
5 years' service, at Chester



Here's wishing all Works members at Thurlow a Merry Christmas.

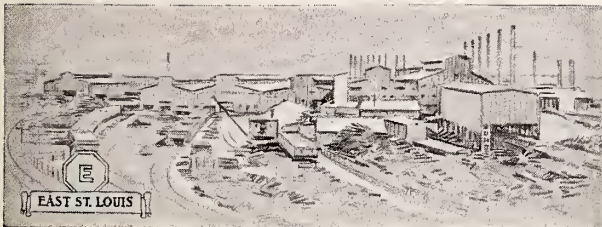


"Skinney" Voschelle, Works Council Representative from the Repair Department, has been started through the chairs at the Farmers and Mechanics Lodge No. 185, of the I. O. O. F., at Marcus Hook.

Mr. Schaaf, Timekeeper, has resigned as Manager of the Resurrection Basket Ball Club.

## Books in Thurlow Library

Name	Author
Testing Materials	Amer. Society for Testing Materials
The Smokeless Combustion of Coal in Boiler Furnaces	Dept. of the Interior
Combustion of Coal and Design Furnaces	Dept. of the Interior
Electric Furnaces for Making Iron and Steel	Dept. of the Interior
The Electric Furnace in Metallurgy	Dept. of the Interior
Analysis of Coal	Dept. of the Interior
Methods Commercial Sampling and Analysis	U. S. Steel Corporation
Feed Water Heaters and Their Development	J. Snodwen Bell
Report of Bureau of Locomotive Inspection	Interstate Commerce Commission
Steel Treating Research Society, Proceedings of the American Steel Treating Society	1920 Research Society



## East St. Louis

Mr. A. W. Price, Pattern Maker, is maintaining a regular Jitney Service, between St. Louis and the Pattern Shop, with his Maxwell Sedan. So far, he has been able to reach the plant on time.

Mr. L. V. Day, Works Engineer, is very jubilant over the recent ruling of the Treasury Department, and states that life is now beginning to be worth while.

The fact that a number of the Granite City aggregation have been attending the Dog Races at the St. Clair Tracks, in East St. Louis, convinces us that dogs have "Fleas."

We desire to take this means of thanking friends and members of both Granite City and East St. Louis Works for their kindness and sympathy shown, and, also, for the beautiful floral offering, in the sad bereavement at the death of our daughter, Inez.  
Mr. and Mrs. C. C. Thornburg.

Cupid is again active at this Works and this time has ensnared our popular Assistant Yard Master, Mr. Patrick Hogan. The lucky lady was Miss Theresa Galvin of East St. Louis. Their wedding took place on Thanksgiving Day. The young couple have purchased a beautiful bungalow on North 24th Street, where they will reside. We wish to take this opportunity to extend our hearty congratulations to them.

Mr. David Ellis, Cost Clerk, attended a meeting at Granite City Works recently which was addressed by Mr. H. Olden, his subject being "The Preparation of Monthly Cost Statements."

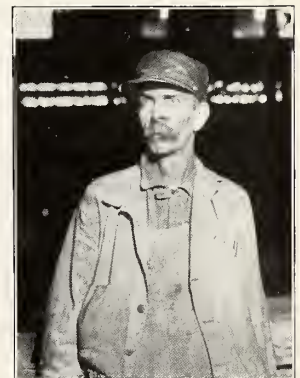
Mr. Jack Newman, formerly Labor Distribution Clerk and until recently farming in Iowa, was a visitor at this Works. Jack says he is back to stay.

The organization at East St. Louis Works unites in extending to Mr. O. E. Mount, Works Auditor, and Mr. H. K. Greve, Yard Master, sincere sympathy in their recent bereavement. Mrs. Mount passed away on October 29th and Mrs. Greve, on November 1st.

We notice Martin Gilligan, Pattern Clerk, is the recipient of quite a bit of mail lately.

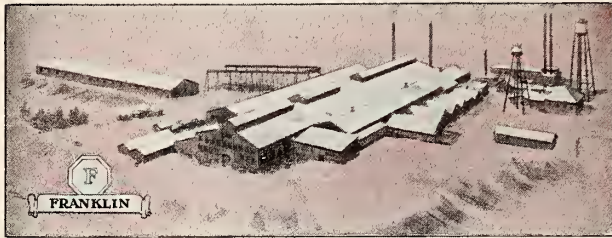
The fact that Tony Haenlein, Storekeeper, missed his calling was proved recently when he disposed of several pair of Union-alls in about seven minutes.

Mr. R. Bland, Order Clerk, is out again after a severe illness.



H. Pfoertner, Metal Pattern Maker, 19 years' service.  
East St. Louis

Mr. C. H. Bossong, of the Comptroller's Office, was at this Works November 1st to take the Annual Inventory. (He also brought his pipe along.)



## Franklin

Mr. A. J. Stephenson has been spending a few weeks at Franklin Works, in connection with the inventory of patterns at this Plant.

Mr. Cal McCurdy had a narrow escape from a serious accident recently, when he slipped on the C. F. & A. Building roof that was receiving a winter coat of "Turnerizing." In saving himself from a bad fall, Cal wrenched his back, which necessitated a few more days of ground work for him.

Quite a number of patterns and a quantity of stores have been shipped from this Works lately to other A. S. F. Plants.

Mr. C. G. McCrady, Order Clerk, represented the American Legion Post of Franklin, at the recent National Convention in Kansas City.

"Bill" Elliott, our Night Watchman, and "Clemmie" Rinehart, our Janitor, also on the Night Force, are very thankful for the assistance rendered them by the purchase of a gasoline lantern, which is giving great satisfaction.



O. G. Murphy, Blacksmith Helper, 4 yrs. service. Franklin

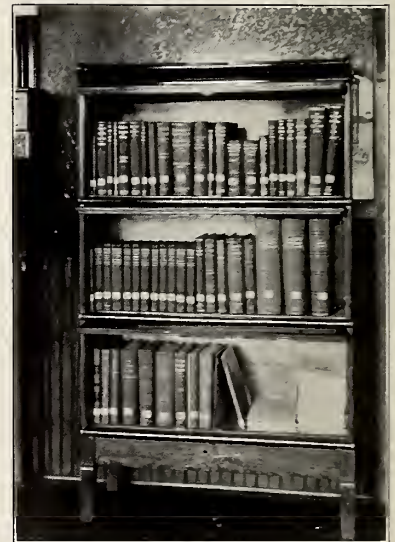
Mr. C. S. Singleton says that his baby is now old enough to sit up and have her picture taken. In proof of this statement, he has presented the Associate Editor with her likeness, to be published in THE OCTAGON.

Mr. J. A. Carruthers, Purchasing Department, General Offices, was a visitor at Franklin Works recently.

Since bulk materials have been transferred from Franklin Works and the pattern inventory has been completed, "Bennie" Karns has been giving George Norton valuable assistance in the Storeroom, checking up bins and making necessary adjustments prior to the Annual Inventory of Stores.

## Works Library at Franklin

Now that the cooler weather has turned us to thoughts of reading, it is not out of order to suggest that all Works members take advantage of the splendid assortment of books in the Franklin Library. There are something like sixty good books on the Works Library shelves, each of which contains valuable information to a steel foundryman. Why not investigate their merits yourself? Here are a few for a starter:



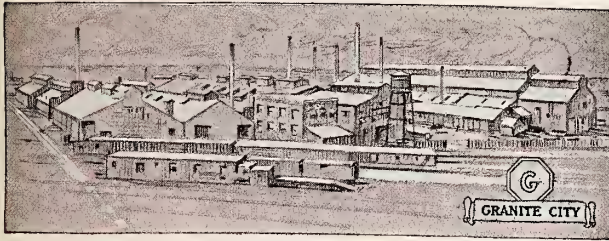
TITLE	AUTHOR
Estimating Concrete Buildings . . .	Clayton W. Mayers
Microscopic Examination of Steel . . .	Henry Fay, Ph.D., D.Sc.
The Manufacture and Properties of Iron and Steel . . .	Harry Huse Campbell
Shop Mathematics, Part I . . .	Earle B. Norris and Kenneth H. Smith
Advanced Shop Mathematics, Part II . . .	Earle B. Norris and Robert T. Craige
Metallurgical Calculations . . .	Joseph Richards
Iron, Steel and Other Alloys . . .	Henry Marion Howe, LL.D.
Jigs and Fixtures . . .	Fred H. Colvin and Lucian L. Haas
Logarithms. Table of Numbers and Trigonometrical Functions . . .	Baron von Vega
Analytical Chemistry . . .	F. P. Treadwell, Ph.D., and Wm. L. Hall, S.B.
Standard Methods of Chemical Analysis . . .	Wilfred W. Scott
American Society for Testing Materials . . .	A. S. T. M. Standards

(Next month another list will be published.)

Some one who has no ear for poetry has said, "What is so rare as a National in running order?"

The Contributing Editor wishes all at Franklin Works a Merry Christmas.





## Granite City

The Associate Editor wishes to take this opportunity to thank the members of the Granite City Plant for the excellent support which they have given him in maintaining Granite City Plant in First Place for nineteen consecutive months, and to wish all a very Merry, Merry Christmas and Happy and Prosperous New Year.

The past twelve months have been trying and strenuous ones for all of us and there have been times when it was hard to give good co-operation. However, most of the Departments have responded nobly to the call for material for THE OCTAGON, and we appreciate the splendid efforts which you have made.

Now that things are returning to normal once more, let us all do our best to co-operate in keeping Granite City in first place for another twelve months.

H. R. McCoy, Associate Editor.

A big improvement has been made in the North Plant by moving the Reclaiming Department to the Shake-Out Building, the space which they formerly occupied now being used to lay out castings for the Foreign Inspectors.

Messrs. J. Wallace and J. Rayburn, formerly Derrick Chainmen, have been promoted to the position of Locomotive Firemen in our Yard Department.

Mr. Tom Tunmous recently officiated as Janitor of the Yard Office, during the absence of Mr. Tom Tyler.

Mr. W. Berg has been promoted from helper on the Hydraulic Press to Inspector on the Roughing Floor. If he performs as well on his new job as he did as "anchor man" on our Tug-of-War Team, he has the job cinched with Tom O'Brien's Huskies.

Mr. F. Pieper has been awarded the title of official mouse catcher. "Ferd" goes after them and catches the rodents with his bare hands.

Mr. J. Smith, Lead Chainman on the Case Crane, in the C. & F. Department, says that he cannot tarry long after the whistle blows at quitting time. Smith lives in Kinloch, Missouri, which he claims is forty miles back of the sun.

Mr. Bert Hodges has been added to our staff of mechanics. We are very glad to welcome him into the A. S. F. Family.

Mr. Young: "I hear there is a man down at Venice, in the park, peddling hootch."

Duke of Nameoki: "Is that on the square?"

Mr. Young: "No, down in the park."

Duke: "Think you're smart, don't you. Where is the joke—in the bottles, I suppose."

Spike: "No; the joke is in the fact that you're broke again." Poor Duke.

By the way, the Smith Brothers, whom we have with us as Chainmen, in the C. & F. Department, claim they are not related to the bewhiskered Cough Drop Manufacturers. However they can recommend something very good for a cough. (See Cy Lane for further information.)

Darkness always prevails in the North Plant, for we have John Knight, on Day turn, and Hugh Knight, on Night turn, which gives us two Knights every twenty-four hours.

Mr. John Sherer has been transferred from the Night turn to the Day turn in the C. & F. Department as a casting chaser. This gives Johnnie a little more time to practice "with the gloves on."

The first big social event of the 1921-22 season was given November first by the Foremen and Assistant Foremen of the Granite City Plant. About sixty couples attended a Theater Party at the Orpheum Theater, St. Louis. Immediately after the show, which proved to be one of the best balanced performances shown in St. Louis this season, a supper and dance was held in a private dining room of the American Hotel. Music was furnished by the famous American Steel Foundries Orchestra, and dancing continued until the wee sma' hours o' the morning.

Dr. L. L. Sharrock has been promoted to the post of Official Oil Gauger and Inspector of Shipments which arrive at this Plant. Doc can tell when a car of oil has a fever by taking its temperature.

Mr. W. Taylor stands out as a Peer when it comes to playing the Saxophone. Doc can continue playing for hours at a time, and the music is more entrancing as Doc progresses.

The colored boys of this Works have organized a club in St. Louis and adopted the name American Steel Foundries Fellowship Club.

The following additions have been made to our force: Messrs. W. Johnson and J. Laurie, Watchmen; R. Williams, Switchman, and W. C. Skinner, in charge of the Oil House, Night turn. They are all giving excellent service.

"Daddy" Stark, Watchman at the North Gate, has completed storing his flower pots away where the cold North winds won't harm them this winter. "Daddy" had some beautiful flower beds last summer and it is to be regretted that THE OCTAGON camera man was unable to find the time to get a picture of them.

Mr. Rodger Atchison, of the Core Department, got bitten by his Ford recently. For several days he worked around the shop with two of his fingers bandaged.

Mr. Fred Reub has returned to work in the Wheel Department after spending a month roping wild cattle in Texas.

The charm of Indian Summer overcame General Manager of the Wheel Shipping Department, Mr. Milford J. Hennessey, who let the call of his heart overrule his better judgment and got married. "GAS" Avenue sure looks beautiful to "Spike" these fine mornings now. We do not know the name of the fortunate young lady for Spike is a little backward in publishing an account of the affair, but the Wheel Department, through the columns of THE OCTAGON, extends to her our congratulations in snaring a young man of "Spike's" caliber.



H. Meyling, R. O. Maintenance Man, 9 years' service at Granite City Works

Mr. Ed. Duncan, of the Foundry, reports that he has completed the painting of his residence and invites us all up for a look.

A young suffragette was welcomed into the home of Mr. and Mrs. W. Dabney recently, and from all reports, the young lady will possess a beautiful alto voice when it grows up.

With business improving, it is a pleasure to note the way that many of our old-time employes are returning. "Hatchet" Gregory, George Charbonier, Tom (preacher) Brownlee, John Fleming, Ed. Smiley and many others greet us as we pass through the Yard Department on "official business." "Welcome home" again, boys, and may you all have a very Happy and Prosperous New Year.

We now have with us a derrick called Duke's Mixture by the members of the Yard Department. This machine, imported from our East St. Louis Plant, is constructed from many parts of other derricks. When East St. Louis finished assembling it, they were allotted a new one, so we took it and christened it the "G-20."

Mr. Ernest Liebmann, of the Electrical Department, and Ex-minstrel Showman, has been transferred to the Day Shift, while Messrs. Willerman and Samija have been transferred to the Night Shift. From all reports they are getting along splendidly.

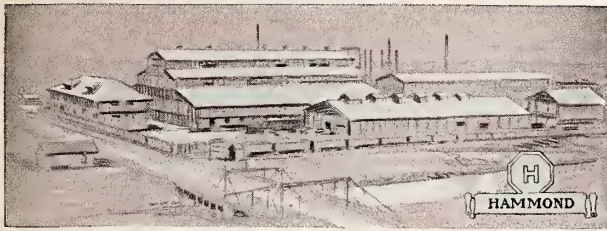
Mr. Tony Shuler has resigned from the "Big Four" Inspection Bureau and accepted a position as Inspector, working on the Night turn at present. Mr. H. Marx has resigned his position as shoe salesman at a local store and resumed his duties as Night Clerk on the Open Hearth.

Members of the Yard Department extend their profound sympathy to Mr. H. K. Greve, Yard Master of East St. Louis Plant, in the loss of his wife.

Mr. Oliver Arbogast, of the Yard Department, has been sojourning at regular intervals in Mascoutah, Ill. If Oliver was a single man we would be suspicious. It is not the live chickens but the dead fried ones that are luring "Ollie" away from Granite City.

Charlie Gardner has been quite downhearted of late. The cause of this is the fact that he has heard Ernie Robertson is going to order his pet Interstate Derrick into the shop for repairs and a general overhauling.





## Hammond

"Jeff" Walker has not appeared in the office since he went down with the Dem. party. Be a good sport "Jeff," we won't throw the trite saying "I told you so."

Mr. Joe Mecum, of the Accounting Department, spent a day in the Chicago Office this month. We think Joe is a dandy fine fellow and are glad the City boys had a chance of meeting him.

Mr. John Moriarity, who had been connected with the Simplex Plant for twenty-one years, died November 14 from a stroke of apoplexy sustained the day before while attending church.

Mr. Moriarity started with the Company as a driller in the Bolster Department, and through various promotions made his way up to Foreman of the Bolster Shop, which position he held until the last year of his service, when his health began to fail and a less strenuous position was given him. Mr. Moriarity was twice married and a member of the Christian Church. He was buried at Tippecanoe, Ind., his former home. This death made the second to occur at the Simplex Works in one week.

Mr. D. T. Myers, Inspector, made a brief talk at a recent political meeting in East Chicago. The story goes, D. T. did not wait until invited to question certain statements of the speaker of the evening, but arose and started: "Mr. Chairman, Ladies and Gentlemen." He was unceremoniously escorted to the door. Nuff Ced. Better luck, old chap, to your next oration.

Mr. R. G. Conde, Superintendent of the Ajax Department wears a smile that won't come off. He is now Alderman-at-Large of his Ward. Republican "Jerry" is.

May your Christmas be the Merriest and New Year the Happiest ever!

Mr. "Happy" Stevens, of the Ajax Department, celebrated his 52nd birthday recently with a party, at which a general good time was had.

Mr. Walter Bauer, Shipping Clerk in the Bolster Department, was married on November 5th to Miss Gertrude Twist. Congratulations, old man, and thanks for the cigars.

Mr. John Stamm, Clerk in the Orders and Material Department, says he had a hard time being elected Councilman, but he made it by the skin of his teeth.

Mr. Harry Olden, Travelling Auditor, recently brought Mr. Wm. Thomas, Works Auditor, a large box of wonderful dahlias, each representing a different variety. Only one "lucky"—was able to inveigle Mr. Thomas into a presentation, much to the chagrin of the rest of the "fair" sex.

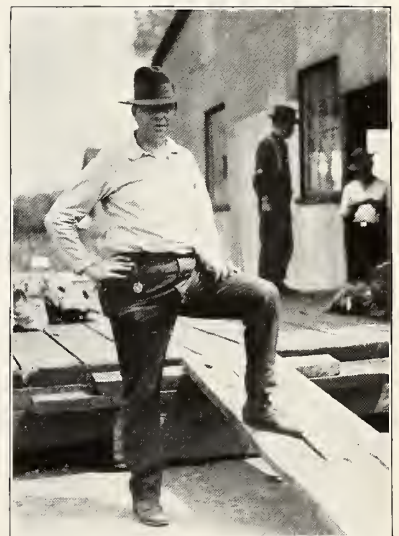
Walt of "Gasoline Alley" fame has nothing on Loren Whitney, Supt. Brake Dept., when it comes to being hounded by automobile salesmen. Loren has them waiting in threes to exchange his money for a new car.

Mr. E. S. Cooper, Chief Draftsman, motored to Michigan, recently, for a week-end.

The Simplex employes who get the opportunity of perusing the Griffin Bulletin, consider themselves lucky, as we enjoy the personal note, so marked, in their new items.

Miss Alma Kreis, of the Drafting Department, was absent last month attending the marriage of her sister.

Mr. Fred Zellers, of the Rivet Shop, lost his two sons, four and eight years of age, respectively, of diphtheria. We extend our sympathy to the parents in their great loss.



Fred Brose, Assistant Foreman, Casting Yard; 18 years' service.  
Hammond



J. A. Calwell

Mr. John A. Calwell, Assistant Works Manager of the American Steel Foundries, Hammond, Indiana, Plant, and who, for twenty years had been connected with the Illinois Steel Company, at South Chicago, died suddenly while at work on November 8th. News of his death came as a

great shock to a large number of friends in the steel mills and about the community.

Mr. Calwell was fifty-four years old. He is survived by a widow, Mrs. Lillian Calwell, and two daughters, Mrs. William Eppens and Mrs. Andrew G. Fleck. Mr. Calwell was a member of Harbor Lodge A. F. & A. M., Oriental Consistory and Medinah Temple, A. A. O. N. M. S. Private funeral services were held at the home of his daughter, Mrs. Fleck, in Chicago, after which his remains were taken to South Chicago Masonic Temple, where they lay in state from 12:30 to 3 P. M., when public services were held by Harbor Lodge 731. Interment was made in Oakwood Cemetery, Chicago.

Mr. Ernie Holzworth, Clerk in the Storeroom, is nursing a multi-colored eye, caused by juggling a box too strenuously,—so *he* says.

Mr. M. E. Hughes, Clerk in the Spring Department, with his family, motored to Pierceton, Indiana, recently. We are glad to report that his car was on its best behavior, as he appeared at his office on time, Monday.

Mr. Peter Dufrane, Master Mechanic, reports his son as recovering nicely from an operation on his foot.

Mr. W. Thomas, Works Auditor, recently had the pleasure of entertaining his nephew from Edmonton, Alberta, Canada.

Miss Ruth Gordon, daughter of Bob Gordon, Boss Carpenter, was recently married. Miss Gordon will be remembered as taking the Third Prize in the Indiana Beauty Show.

Mr. Fred Brose, of the Casting Yard, Fred Fiertag, Foreman, Clasp Brake Department, and Mrs. Aleen McCoy, stenographer in the Drafting Department, have been recent absentees on account of illness.

Mr. Lawrence Bieker has been transferred from the Clasp Brake Department to the Drafting Department and Mr. Sam Rumpfelt, from the Labor Department to Watchman in the garage, taking the place of W. Sheffield, who resigned.

Mr. R. D. Pettit and family took advantage of the fine fall weather by spending Sunday recently at their cottage at Wilson.



## Indiana Harbor

Mr. Chas. "Von Tilzer" Greiser has adopted a new scheme or mail schedule of late and the service has improved since Charlie introduced the dope sheet.

Mr. Adam Waldner says between following S. W. Stock, riding with Mr. Fred Murley, attending Chicago Elite dances, and watching electricians, he still has time to play Sixty-Six.

Mr. Harry Voight, Supt. No. One Foundry, has returned from his vacation. It seemed a chilly season for a rest, but Harry knows good motoring weather when it arrives.

Miss Ruth Bergmark and Mr. Harry Kraul seem to be the most popular couple during the noon-day dancing club. That should encourage some of our wall daisies.

Mr. "Bill" Parker is now wearing a new sweater coat and also an O. D. shirt, donated by the members of the 59th and Halsted Street Club. Sure it's true, 'cause Bob told us.

Merry Christmas and Happy New Year to all Harborites.





Miss Margaret Flynn, Telephone Operator, 11 years' service. Indiana Harbor

Mr. Morris Cohen had the pleasure of eating in the same cafe with our ever popular Eddie Cantor. Meanwhile, Morris was a perfect listener.

Mr. Paul Jer-ner, of the Machine Shop, has been wearing an eye protector, but "Peck" claims he still has a good eye for bowling.

Mr. Cecil David, formerly of the Machine Shop, and later of Long Beach, Calif., has returned and is now in charge of stripping Forge Shop machinery in Plant No. 3.

Mr. Otto Stumpf has been leading the sand-burr crusade in clearing off our soccer field. All Stumpf needs is about fifty rakes with men attached to the handles.

## SOME DAY—JUST WAIT

Marty Rintz will furnish his own "Camels."  
 Bob Evans will lose his happy whistle.  
 Pete Pierson will break the track scales.  
 John Methgen will play his aces.  
 Geo. Alston will ask for a match.  
 Red Davis will vote straight democrat.  
 George Voight will forget about Baltimore.  
 Iz Engleton will be last in the dining room.  
 Adam Waldner will tell an old one.  
 Bill Evans will eat Indiana Harbor beef steak.  
 Jim Suttie will say "Oh, hell."  
 Bob Unks will refuse US hams and bacon.  
 Harold Wallis will treat Bill Campbell.  
 Bill Mauer will find that engine frame.  
 Ernest Skelton will break his duegene.  
 Nels Johnson will forget a pattern number.  
 Jack Voight will get another car.  
 Jim Oliver will get excited.  
 Harry Charlson will visit C. P., for better or worse.  
 Geo. Yonke will miss the nail.  
 Stanley Lind will be a N. L. fan.  
 Bob Moss will start a new club.  
 Ton Havlin will wear a new hat.  
 Frank Clancy will bowl 212.  
 John Duffy will miss a funeral.  
 Walter Johnson will weigh 165 pounds.  
 Fred Pattullo will be in second place.  
 To those we have not mentioned:  
 Never mind, a later issue may bring you in print.

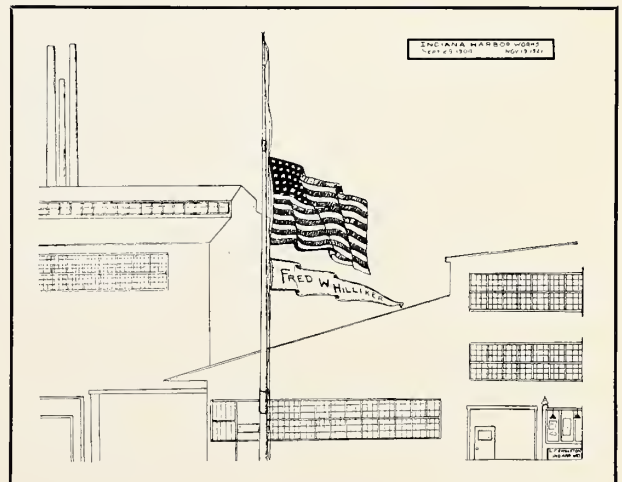
Mr. K. J. Easter, of our Inspection Department, is now a resident of Hammond, moving from Indiana Harbor. Just a little more gas is all, says "K."

Did you notice Andy "Gump" Kock the day he wore his "hard" kelley and pinch back "bennie?" It looks like the Shipping Department is after first place for the fall style starters.

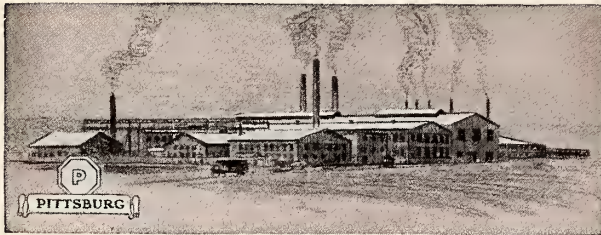
One of the most shocking accidents that occurred during the year happened Saturday, November 19, 1921, when three of our Special Apprentices, namely the Messrs. Hilliker, Van Winkle and Everett, left the Plant to motor to Chicago in Mr. Hilliker's car. While passing through South Chicago the trio were going down Mackinac Ave., when they approached the 89th Street crossing. Being an obstructed corner they did not notice a fast moving street car, and without a moment's notice the crash came, carrying the motor car almost half a block before the street car came to a stop. The three were hurriedly taken to St. Luke's Hospital where an examination showed Mr. Hilliker victim of a serious skull fracture, causing the young fellow's death that evening at 8:30 P. M. Mr. Van Winkle suffered a compound fracture of the left arm, while Mr. Everett received many bruises about the head and body.

Mr. Hilliker, recently employed as an Apprentice, was a student at Armour Institute. His striking personality had gained many friends during his short employment, and the members of the Plant mourn his loss, as do his parents in this hour of sadness. Mr. Hilliker was born September 29, 1900, was unmarried, and resided at Morris, Ill.

It is hoped that Messrs. Van Winkle and Everett will have quick recoveries.



During the No-Fire-and-No-Accident-Week, held in Chicago, the Indiana Harbor Plant made a good record, having but eleven minor injury cases. No lost time was caused and certainly this record should be kept up during the entire year. Accidents are like a crooked poker game; you're always the loser.



## Pittsburgh

Mr. James Hathhorn took his vacation late this year and spent it hunting. This is the only way to spend it, according to Jim.

Famous sayings by "Tippy"—"Some days you can't lay up a cent" and "I'm only lending it to you; I'll get it back with interest."

Mr. Jack Huston, Master Mechanic, was appointed chairman of the Committee on Crane Gears, at the meeting of Master Mechanics in Chicago. Jack has been putting in a lot of work on the subject lately and we know the crane will be well geared, at least.

Mr. Edward Klaus, Truck Driver, went hunting a couple of weeks ago and the only thing he got, that we heard of, was a squirrel. Some say he wouldn't have got that; that the squirrel was after him and would have got him too, if Eddie had not had his gun.

We feel sorry for Pat Salmon these days. He seems to have a secret grief of some kind. We put a dry sleuth on the job and the information received is this—he failed to get an egg the other day from his prize winning chicken. Eggsactly!

Knowledge that is hoarded by anyone is useless unless it can be put to some benefit to others.

There are people who would like to look up their family tree but fear that it would be too shady.

It takes a man with all kinds of ginger to get the snaps these days.

Saturday, Nov. 5th, a party of seven or eight from this plant took a trip to Greenville to see Thiel College in its most important game of the year, that with Susquehanna College. From all reports, it was well worth the trip. Thiel won 12—0, but the game was hard fought throughout. "Ham" Petty, right-end on the Thiel team, had quite an important part in the victory, which will make the season a success, no matter how the other games come out.

Mr. Wm. Arnold has been unanimously elected captain of the "Put and Take" team. Anybody wanting to try for the team see "Bill," and he will give them a workout with the "Dodge Bros."



J. A. Meyer, Foundry Foreman, 8 years' service. Pittsburgh works

Some people have excellent memories while others bat about .000 in this league. But Elmer Eiffler has the world's championship for excellency. He celebrated a birthday the other day and declares he was born exactly at 8:03 A. M. on Oct. 11th. Most of us can't remember so far back in our life's history. He also was presented with a gold watch by "The Girl." No excuse now in not leaving on "Her" time.

Some folks are under the impression that our plant could not make a nickel steel heat. Well, we did, and it is not the first one, either.

Saturday afternoon hunting parties are getting to be quite the thing around this plant. Eddie Klaus and Bill Arnold are the chief organizers.

A Merry Christmas to all A. S. F's at Pittsburgh.

**HAMMOND WORKS—ATTENTION!** The 8:30 Club has feminine Members. Probably the real reason for their non-appearance in the Sand Creek picnic picture is that they are very shy and hesitate to have their pictures published for fear some of those "Lady-killers" might hound them by writing for their names and addresses. Oh, yes, they are a mighty fine looking bunch of girls; can't be beat by any of the other Works. And they can sure set up a fine lot of eats. (Ask any of the *exalted* male members.)



We note Hammond Works claims to be able to take care of their own "prizes" of the "Fair Sex." How come the interest in the feminine members of the 8:30 Club? *WE* can look after their welfare, if you please, so step outside and take the air.

"Josh," our congenial janitor, sure is a kind-hearted soul. He is always getting something to eat for a half-starved brother, be he white or black.

Mr. Rudy Arn is doing a Sherlock Holmes lately. He is trying to find the lost pig (iron). To date he has been unable to trace its whereabouts. Any information will be gladly accepted by Rudy.

Mr. Albert Piesovich, Dry Floorman, has his chest out lately. A baby boy is the cause. The stork also paid a visit to the home of Mr. Mike Mitsick, Molder.

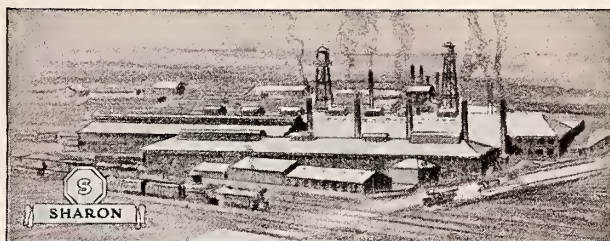
We were all glad to see Mr. John B. Collins out again after his long stay in the hospital. John almost got used to having his arm rebroken and reset as it was done four or five times. Some of the boys are hoping it doesn't make him auto-shy, as it's a tough walk up Penn Avenue these days.

One day our Storekeeper, Mr. Charles Bepler, received a requisition calling for the following "18 lbs. ½ inch rods—for dogs." Quoth Charlie: "I've heard of hot dogs, wieners, cross dogs, and every other breed, but none that eat ½ inch rods. Oh, Boy!! Some teeth!" (Ask Pat Salmon.)

Mr. Fred Hahn, Watchman, celebrated his 83rd birthday Sunday, November 13th. Many happy returns of the day, Fred. Incidentally, we might add that the Plant will back him against any employe of the company at the same age at any game, from pinochle to a foot race.



Miss Hilda Voelker, Stenographer, 1 year's service; Miss Louise Zollinger, Telephone Operator, 3 years, and Miss Eileen Greene, Stenographer, 3 years. Pittsburgh Works



## Sharon

All the fellows around here expect to live on rabbit meat during hunting season and thus beat old H. C. L.

If we did not know that Cleveland is referred to as "The Forest City," we would be in doubt as to why our Contributing Editor liked to talk about tall timbers.

We heard some very loud talking the other day, thought sure war was declared, but upon investigation we found it was Ryan telling Kashner what a good ball player "Babe Ruth" is.

Mr. L. W. Egan, Special Engineer, Chicago Office, made his first visit to the Sharon Plant recently.

We have one fellow here who would rather walk than ride—can't figure out whether he is in training, or if it is just a habit he has. Barnes claims he got used to walking, chasing the horse to put it in the "house."

"Herb" Taylor, the farmer boy, and his Ford are with us again. No weather or bad roads stop that "Ford." "Herb" claims it is next to the best ever made—the other one he had was the *best*, however.

A. C. Dunlap smiled when he saw the picture in *THE OCTAGON* of Bud and Lon May and A. B. Fisher, with the string of fish. "They must sell them cheap in Granite City" said Andy. "Lon or A. B. *know* they never caught a fish in their lives."

Met our old friend, Mr. J. J. Niehoff, after one of the World Series games and all he said was "Cicotte." John, like many others, still thinks of the famous White Sox and how they could clean up anytime.

Since A. H. Lauer got his dog, we figure it has walked about one and one-half miles and ridden about 700 miles in Al's automobile. Can't teach him to hunt turtles that way.



# THE OCTAGON

The Associated Editor wishes to extend his best wishes for a Merry Christmas to the members at Sharon and other A. S. F. Works. But to the Sharon Works members he confines his request that they help do their share to boost THE OCTAGON. We surely appreciate the support that two or three persons are giving at Sharon but we wish a few others would be as interested in securing items for the Sharon column as they are in receiving their copy of THE OCTAGON.

When November comes around at Sharon Works, we don't need the assistance of a calendar to help us remember it, for at this writing, "Annual Inventory" is written all over Harry Voglesong's face.



**General Offices**

Mr. F. S. McNamara, of the Denver Sales Office, was a recent visitor. Mr. McNamara predicts some fine Pacific Coast business this year.

Mr. R. W. Wykof, Voucher Division, is the proud father of a ten-pound boy.

Code Book changes since the last issue of THE OCTAGON are as follows: Pages 149 and 150; General Index (3 pages); 109; 169 and 172.

Mr. Herbert A. Mitchell, until recently Assistant Chief Clerk of the Sales Ledger Division, has assumed his duties as Assistant Chief Pricing Clerk, under the able supervision of Mr. James Stritch. We all wish "Ham," as he is affectionately known, a lot of luck in his new job.

Mr. W. C. Hedgecock has succeeded Mr. J. A. Lamont in charge of the Drafting Room, General Offices.

Mr. Barry Taylor, Chief Clerk of the Voucher Division, Accounting Department, died on November 18, 1921. Mr. Taylor had been in the employ of the American Steel Foundries for eleven years, during which period he proved himself a faithful and conscientious worker. He is survived by a widow and one child, to whom the sympathy of his associates is extended. Mr. Jas. Cavanaugh succeeds him as Chief Clerk.

Mr. P. A. Martin, of the Cleveland Sales Office, was in the Chicago Office last month. While here he took occasion to state why he failed to materialize in that golf game, referred to previously in the columns of THE OCTAGON. It seems, in obeying the injunction, "Business before Pleasure," that gentleman allowed our common interest, the American Steel Foundries, to come first. However, he hastened to explain that he is not a "quitter" at any stage of the game, and is willing to prove it later.

As will be shown by the accompanying photograph, the American Steel Foundries participated in the First Annual Exposition of the Marine Equipment Association of America, held in New York City the week of November 14-19. Mr. A. Trevor Jones, who represented the Company, reports considerable interest displayed in A. S. F. products, particularly the improved anchor now being developed and introduced by the Company.





Mr. O. Hampton has returned from a four months' trip to Europe, where he divided his time between Berlin and Hamburg, Germany, and points in Holland. Mr. Hampton says that every spindle is running at full tilt over there but workers are receiving practically nothing for their services.



#### Works Councils Secretaries

F. E. Brew, Alliance.

J. Weston Eyre, Chester.

C. E. Turner, E. St. Louis.

George R. Mann, Granite City.

S. C. Lind, Indiana Harbor.

#### Granite City Works Council

The Granite City plant of the American Steel Foundries has been presented with an addition to its family, The American Steel Foundry Athletic Association. The proud fosterer of this enterprise, our own Billy Anson, has been going about beaming with pleasure, issuing and accepting "Application Blanks" to the christening.

A large field adjacent to the plant has been leased and put into shape for Soccer Football, and such other sports as the new Association may wish to indulge in. Teams have been busy scraping and grading the land, and much interest is shown in bringing this up to a par with the best about here.

At the instigation of the Works Council, one of the large waste bins in the vicinity of the Garage was recently cleaned out, filled in with sand, and converted into a regulation ring, where boxing matches have been put on during the noon hours. Its elevation permits of a good view from all directions, and the idea has been received with keen appreciation by those interested in this form of sport. Rivalry between departments has run high, so much so that several combats, not scheduled for the boards, have taken place, among the most noteworthy of which was that pulled off by our Coreroom Boss and Sand Mill Authorities, Messrs. Langenbach and P. Radcliff. Those of our readers who are acquainted with these two gentlemen will catch the full significance of this item.

At the last meeting of the WORKS COUNCIL it was decided to erect two more Hand-Ball courts for the benefit of the workmen. Hand-ball has been found to be one of the most popular games played around these diggings, and the demand for the use of the one now in existence is such that players are lining up at the first toot of the whistle, and allowing their lunch to figure in as secondary, or to go by the board entirely.

The boys on the Night Shift have been complaining that no form of recreation was being furnished them during their lunch hour, and suggested that something be done with the present Hand-Ball court to make it usable at night. The Works Council accordingly voted on lighting the court by a series of suspended, or side lights, thus enabling the place to be used by the workmen of both the Day and Night shifts.

The Works Council recently appointed Mr. Frank Hesler, Assistant Foreman of the Wheel Shop, Chairman of the Entertainment Committee, and things are expected to hum from this time on, as Mr. Hesler resides in a locality where excitement and fun run rife, yet combined with just that proper degree of sanity so necessary to the equilibrium of correctly balanced society.

#### Indiana Harbor Works Council

Mr. Walter Rubius has been unanimously elected to serve as Councillor in Division No. 1, succeeding Mr. Stanley Poprocki, resigned.

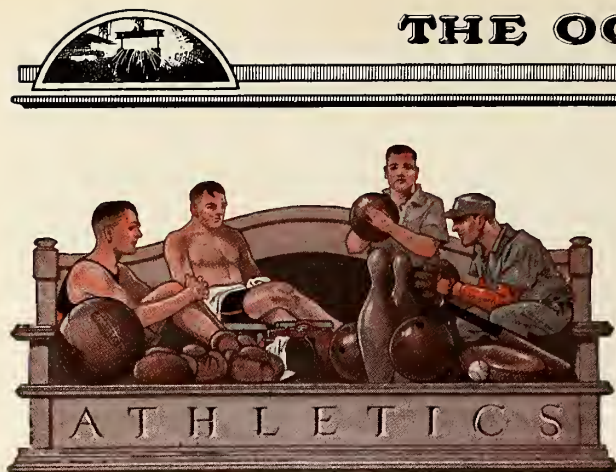
Mr. Wm. Hildebrand, Division No. 2, is quite busy these days, carrying out the Council's policy regarding coal orders for Works members. Mr. Hildebrand, after this experience, will be a full-fledged coal man.

Mr. Peter Block, Works Councillor, Representative Division No. 9, is again on the Night Turn, after a brief sojourn in the Machine Shop.

Mr. Richard Davis, Management Representative of the Works Council, is again seen in No. 1 Cleaning Room, after acting as Safety Inspector, in the absence of Dr. Grebe.

During the recent absence of Mr. F. A. Lorenz, Works Manager and Chairman of the Works Council, Mr. J. Suttie, Assistant to Works Manager, acted as Chairman at the Council Meetings.

# THE OCTAGON



## At Alliance Works

Alliance works claims the cup for having football coaches, V. N. Ruffner, coaching the Goats, and George O'Brien the Eagles. Both teams have a good record this year. How about a Steel Works team next year!

### Standing of Goomf Club Bowling League

Team	Won	Lost	Avg.	Avg. Pins per game
No. 6. Funkhouser.....	9	0	1000	760.7
No. 2. Rosenberg.....	8	4	667	713.3
No. 3. Ruffner.....	7	5	583	744.4
No. 4. Geddert.....	7	5	583	724.0
No. 7. Harrison.....	3	6	333	702.4
No. 8. Freed.....	3	6	333	706.8
No. 1. Biery.....	3	9	250	688.1
No. 5. Johns.....	2	7	222	651.1

1st High Average, Biery.....	169.5
2nd High Average, Rosenberg.....	169.3
3rd High Average, Johns.....	168.8
4th High Average, Funkhouser.....	168.3
5th High Average, Anderson.....	168.1
6th High Average, Geddert.....	160.4
7th High Average, Harrison.....	158.7

High Team, One Game, No. 3.....	852
High Team, Three Game, No. 6.....	2382
High Man, One Game, Anderson.....	233
High Man, Three Game, Rosenberg.....	547

## At Granite City Works

### Bowling Scores

St. Louis Major Scratch League—Otto Stein's Alleys,  
Oct. 26, 1921 Nov. 2, 1921.

3 Games A. S. F. Won 1— Lost 2.		3 Games A. S. F. Won 3— Lost 0.	
Total	Av.	Total	Av.
Lauff.....	578 192½	Lauff.....	597 192½
Broyles.....	490 163	Fisher.....	553 184
Rick.....	477 159	Rick.....	542 180
Shellen.....	534 178	Shellen.....	576 193
Graff.....	570 190	Graff.....	608 202⅔

OPPONENT	2649	OPPONENT	2876
	2676		2442

American Steel Foundries vs. Gregory Brothers,  
Nov. 9, 1921.

3 Games A. S. F. Won 2—Lost 1. Team Captain, A. B. Fisher, A. S. F.

Total		Av.	Total		Av.
Lauff.....	673	224⅓	Gregory.....	532	174
Sauerwald.....	373	124⅓	Kleeberg.....	502	167⅓
Fisher.....	533	177⅔	Shaefer.....	462	154
Rick.....	555	185	Keifter.....	559	186⅓
Graff.....	561	187	Rapp.....	566	188⅔
2695			2621		

One of the most successful contests held at Granite City took place in the Employees' Club House on November 10, under the direction of Mr. F. Hesler, Chairman, Entertainment Committee of the Works Council. This was a Pie Eating stunt, in which four men, representing the Cleaning & Machining, Molding, Wheel and Core Departments, were entered.

The result was a complete victory for the Cleaning & Machining Department. Mr. I. Lucius, Assembler in this department clearly demonstrated his ability as a pie eater of great speed and large capacity. Several days previously he had been under training of Boots Flachs, who had assigned to him extra work, and on the morning of the contest, double the amount, which was completed by 11:30. At 11:45, after a walk about the training grounds, he was escorted to the Dining Room and allowed to inhale three large servings of "savory cooking," for which this Plant is famed. Also was he made to repeat the word "Pie" three times. This coaching, bringing in psychology, physical training and hunger, was largely the cause of this tremendous victory for the Cleaning & Machining Department.



M. Dazmore, Core Dept.; H. McDaniels, Wheel Roller; I. Lucius, C. & M. Dept. and Ed. White, Foundry Shakeout; I. Lucius, Champion Pie Eater.



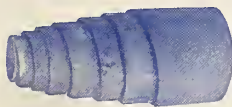
# Company Products



Cast Steel Rack Trolley Side



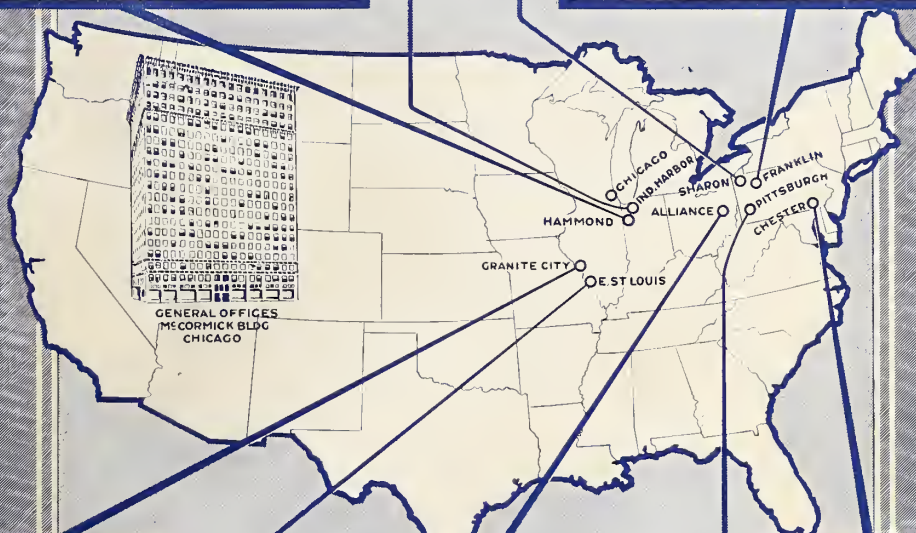
Cast Steel Vulcan Side Frame



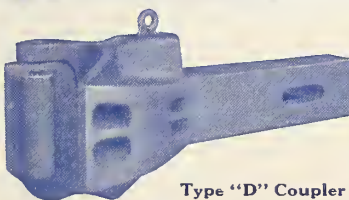
Volute Buffer  
and Draft  
Springs as  
used on  
foreign  
freight  
equipment



Cast Steel Engine Base



Davis Steel Wheel



Type "D" Coupler



Cast Steel Driving  
Wheel Center



Economy Cast Steel Draft Arms



Cast Steel Motor Frames













Property of Harold J. Miller  
1018 Mercer Road  
Franklin Pa.

